

ECO X INNOVATION

ECOWASH

Forum theme- Environmental Protection Washing and
Dyeing series - ECOWASH

Dyeing a green life

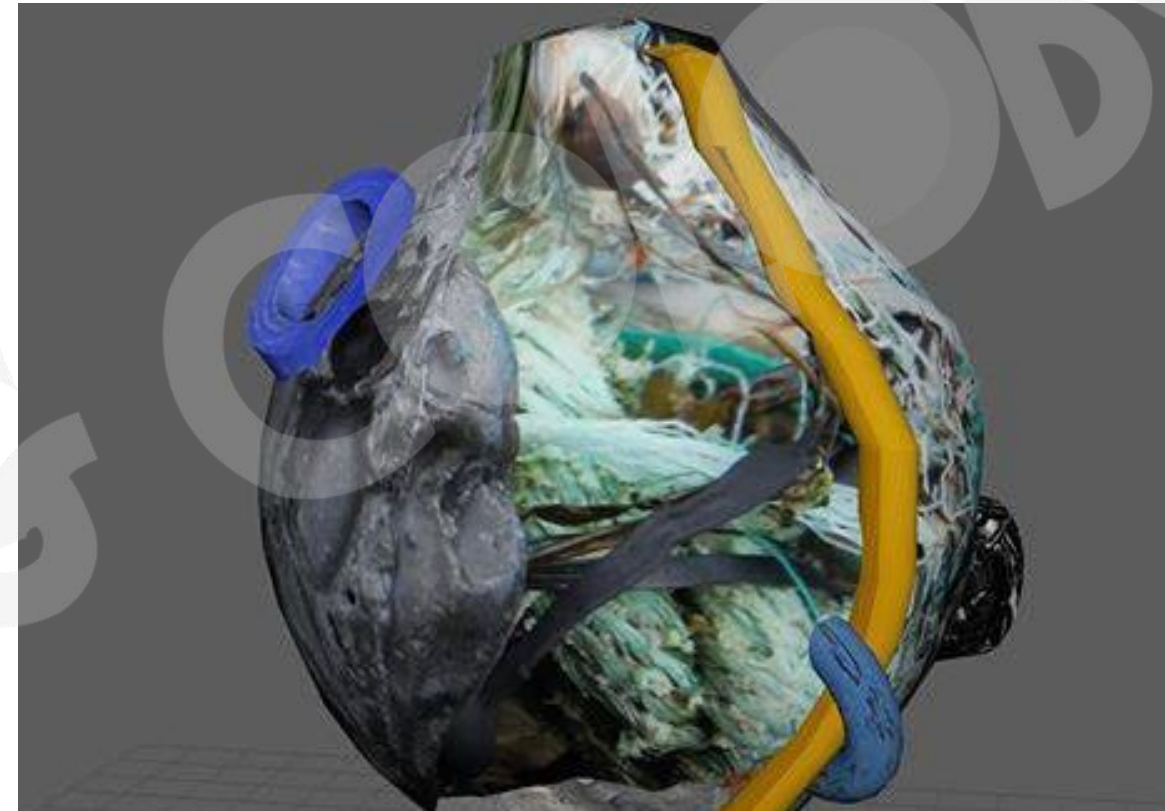


FORUM THEME

- ECOWASH™ INSPIRATION OF WASHING AND DYEING TECHNOLOGY
- TECHNICAL CONCEPTS/CHARACTERISTICS
- ECO X INNOVATION
- ECOWASH™ WASHING AND DYEING SERIES PRODUCTS

ECOWASH

Currently, the world produces more than 300 million tons of plastic each year, of which only about 15 % is recycled. It is estimated that about 25% of plastic waste is incinerated, about 40% is landfilled, and about 20% is dumped directly into the environment, including into the ocean.



INSPIRATION

The concept of reflecting the protection of our social environment is integrated into our yarn. The textural effect of marine pollution is developed by special mottled dyeing technology.

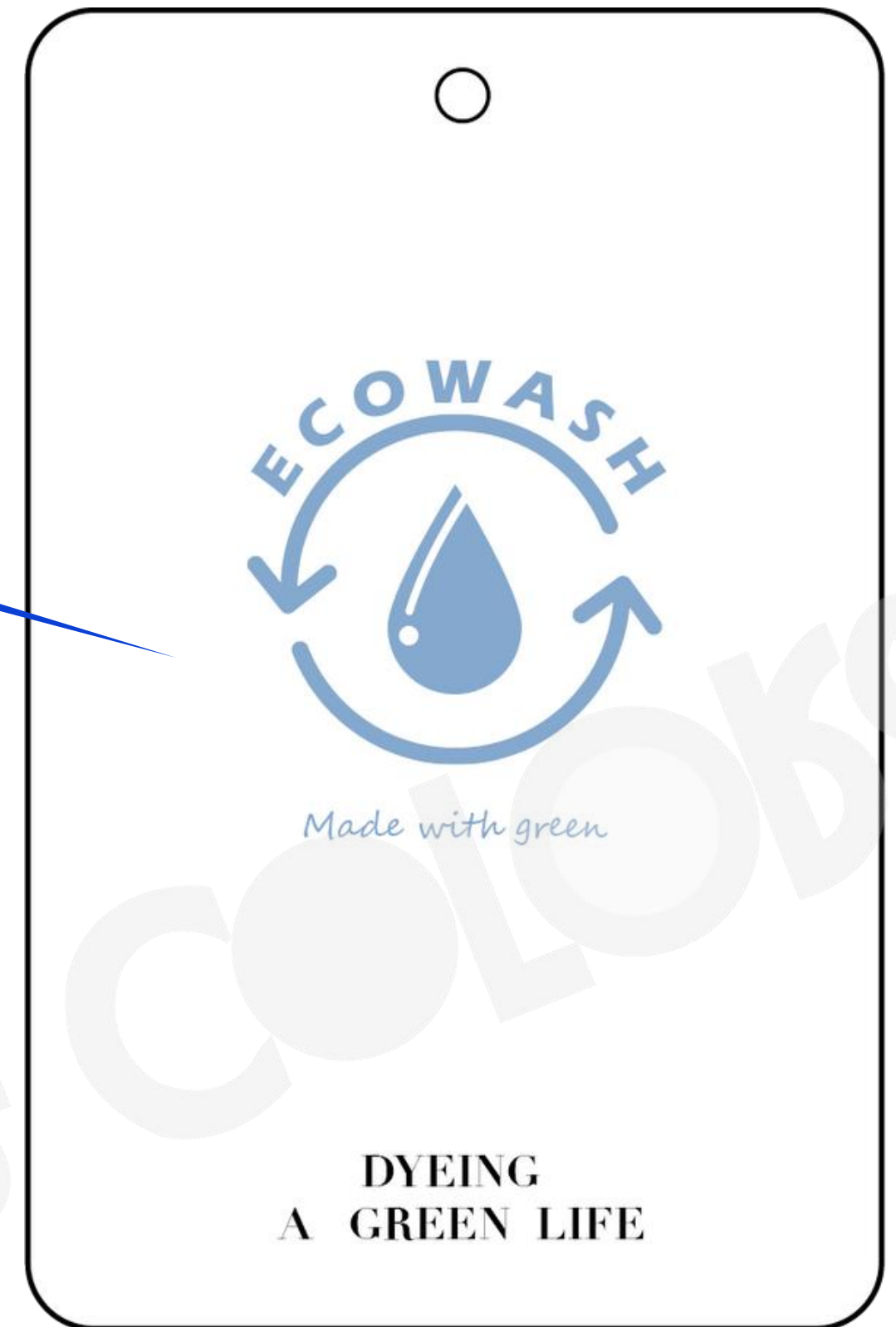
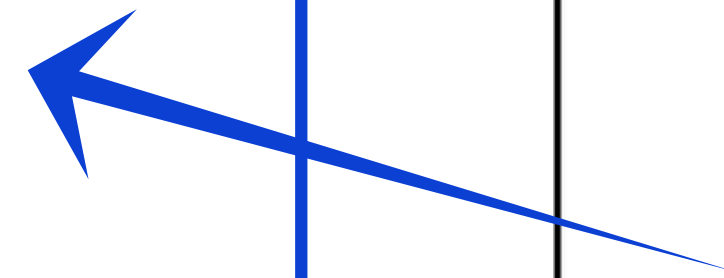
ENVIRONMENTAL-FRIENDLY TANNIN STYLE

The yarn dyed by ECOWASH dyeing technology has an environmentally friendly indigo feel, with a slight gradient effect and rustic feel, faded tannin effect, adding a new element to knitting.

CORE CONCEPT

The overall design is based on the simple shape of a circle. It has been integrated with a water droplets pattern, and is mainly blue, giving it the feeling of ecological protection and healing.

DYEING A GREEN LIFE



ECO X INNOVATION

Technical characteristics

ECOWASH is a new dyeing technology. A brand-new yarn washing and dyeing process is applied to have the fabric appear similar to the fading of denim and give it a natural sense of aging. Compared with common dyeing, it saves 65% of water consumption, 65% of steam consumption and 60% of electricity consumption. The authoritative INTERTEK Green Leaf Certificate provides a new way for a healthy and environmentally friendly life.

Technical certification

ECOWASH technology has the INTERTEK green leaf label-ecological authority certification. This ensures the compliance of dyeing in harmful substances and carbon footprint verification of products.

Eco X Innovation

ECOWASH is a new dyeing technology. A brand-new yarn washing and dyeing process is applied to have the fabric appear similar to the fading of denim and give it a natural sense of aging. Compared with common dyeing, it saves 65% of water consumption, 65% of steam consumption and 60% of electricity consumption. The authoritative INTERTEK Green Leaf Certificate provides a new way for a healthy and environmentally friendly life.

ECOWASH (洗染)是染色的一项新技术。应用全新的纱线洗染工艺使织物得到牛仔布的褪色及自然的做旧之感。比普通染色节约65%用水量,节约65%蒸汽量,节约60%用电量。权威INTERTEK绿叶证书,为健康环保的生活提供新方式。

ECOWASHは染色する為の一つの新しい技法、全く新しいニット糸の染色技術です。糸はデニム感を得て、色褪せ効果と自然なヴィンテージの加工感。通常に比べて染色時に水を65%節約し、65%蒸気を抑え、60%電力使用量を節約して染色いたします。INTERTEK GREEN LEAFを認証取得、新しく健康的で環境にやさしいライフスタイルを提供致します。



INTERTEK

环保绿叶标签



OEKO-TEX

1类婴幼儿纺织标准

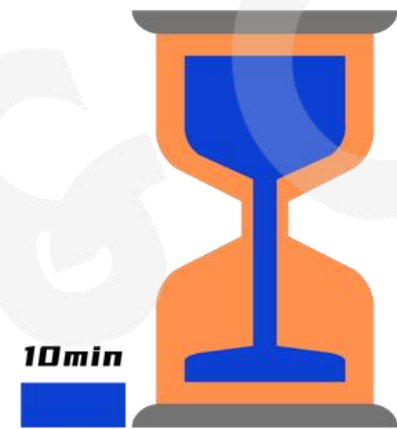


always a good idea

www.yarnscolors.com

WHY IS ECOWASH SUSTAINABLE?

ECOWASH
DYEING
TECHNIQUE



10min

ECOWASH can save the water, electricity and gas, also the staining time is short.

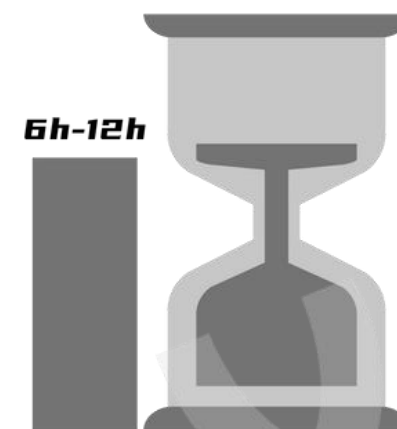
Fast response
and short
delivery time!



**TIME
VS**



DYEING
PROCESS OF
ORDINARY
HANK



6h-12h

Ordinary hank yarn takes a long time to dye, consumes water, electricity and gas.

ENERGY CONSERVATION

ORDINARY HANK DYE (1000KG) DATA



Steam consumption **15,000KG**

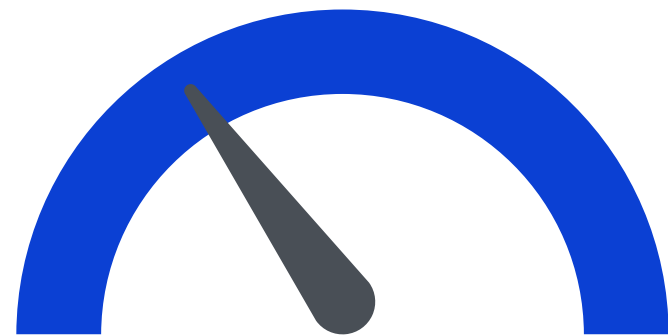


Water consumption **150,000KG**

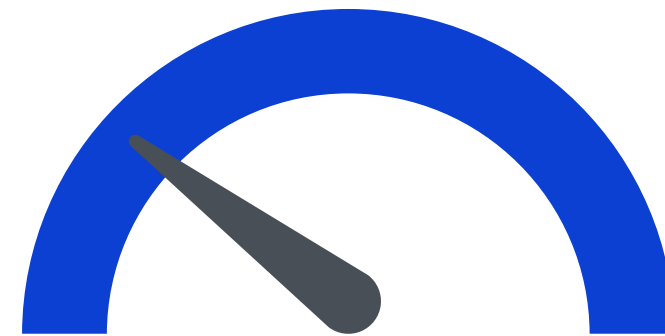


Electricity consumption is **1,100** degrees

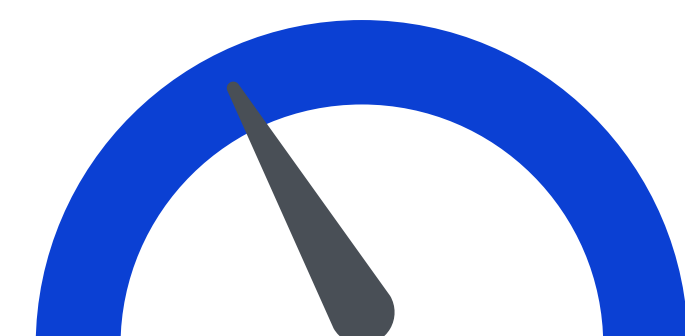
ECOWASH WASHING AND DYEING (1000KG) DATA



Steam consumption **5,250KG**



Water consumption **5,250KG**



Electricity consumption is **450** degrees

Compared with ordinary hank dye,
ECOWASH dyeing technology conserved:

 **-65%**
STEAM

 **-65%**
WATER

 **-60%**
ELECTRICITY

ENVIRONMENTAL PROTECTION

Water is a very important natural resource especially since it can generate electricity. Saving water is one of the most important environmental protection concepts of YARNS&COLORS.

Dye Recycle :

ECOWASH process makes full use of the water and dye from yarn dyeing to re-dye. This ensures high-quality dyeing without wasting a drop of water which greatly reduces the use of water resources and water pollution.



Produce a t-shirt needs 2720kg water
Most people can drink for 3 years.

*IUCN

500 tons



Provided about 500 tons of dyed yarn in the past 5 years.

100 tons



Compared with traditional dyeing process, per ton of washing dyeing yarn can save 100 tons of water.

50,000 tons



Save 50,000 tons of water from 2016 till now.

83 million



That's equivalent to more than 83 million 0.6-liter bottles of water.

*DATA: YARNS&COLORS

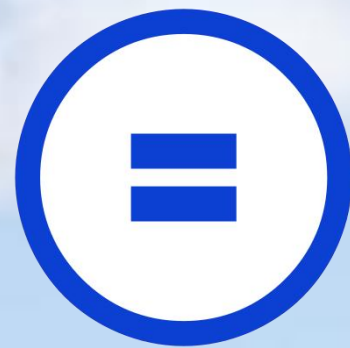
YARNS & COLORS



It can save **55,000 KWH** per 100 tons of ECOWASH yarn produced

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Reduce emissions of **52,800 kilograms** of carbon dioxide

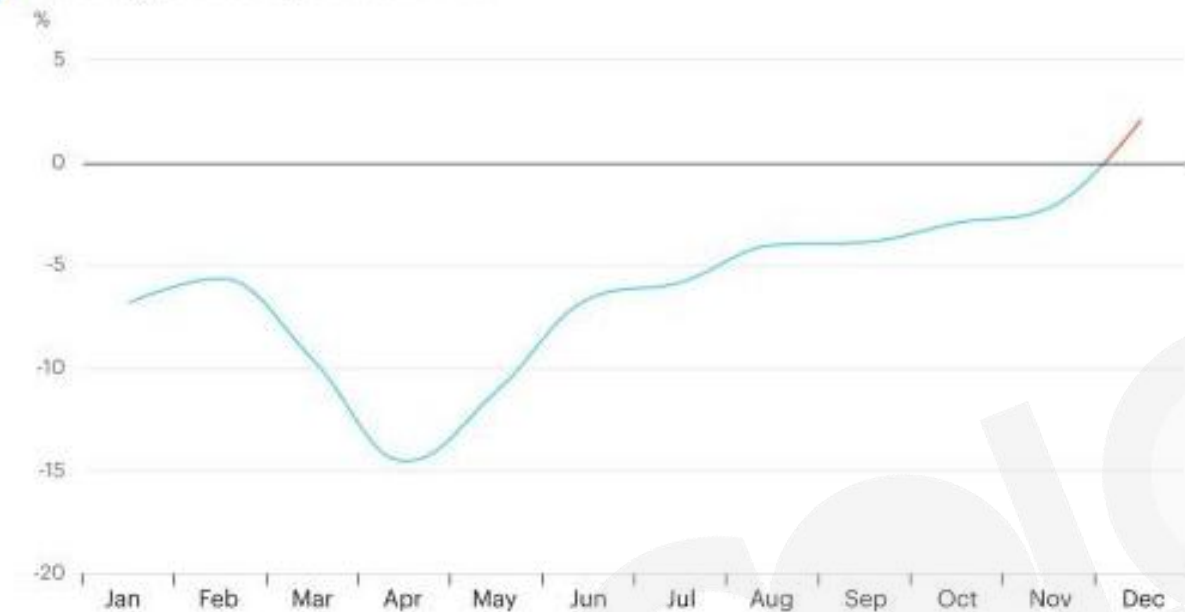


equivalent of planting **4,400 big trees** a year



LOW-CARBON DYEING TECHNOLOGY

Monthly evolution of global CO₂ emissions, 2020 relative to 2019
Global Energy Review: CO₂ Emissions in 2020



International Energy Agency

The IEA released a communique saying that global carbon emissions will rise in 2021

Technological innovation, low carbon dyeing:

In the face of this major global problem, yarns&colors develops and innovates energy-saving dyeing processes to reduce carbon emissions.

LABEL MEANING

It is a multiple environmental declaration label for consumer products launched by Tianxiang Group as an independent third-party testing agency. Ecowash products provide environmental protection test books for the verification of hazardous substances in dyes.



SUSTAINABLE FASHION

Ensure the safety and environmental protection of dyes used in ecowash products, improve the ecological confidence of the final product and reduce the pressure on the environment.

LABEL MEANING

It communicates the compliance and environmental protection of products and the efforts and achievements of enterprises in sustainable development.

Intertek

**GREEN LEAF LABEL-
SAFETY CERTIFICATION**



ECOWASH PRODUCT STYLE

- Due to the impact of COVID-19, many party cultures and young people's social activities have appeared online, so special appearance and metallic design have emerged. Products with new environmental protection performance, mixed color yarn, section dyed yarn and recycled tannins can meet consumers' needs for versatile and cross-season.
- The yarn dyed by ECOWASH dyeing technology has an environmentally friendly indigo feel, with a slight gradient effect and rustic feel, faded tannin effect, adding a new element to knitting
- Suitable for a wide range of categories, such as home office or party, daily versatile, multi-purpose business casual wear, color innovation sportswear, coarse yarn can make hollow, mesh effect, fringed lace, crochet process.

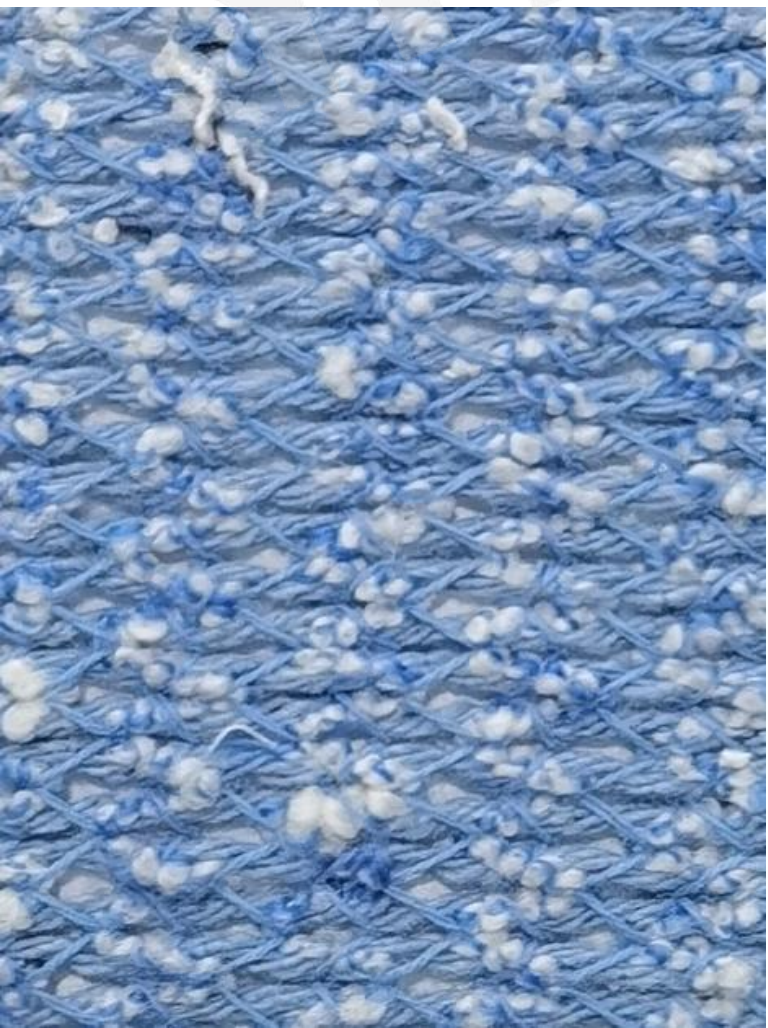




ECOWASH

PRODUCTS VISIT

+



The use of twisted flowers, holes, color matching and other organizations to make clothing more three-dimensional, can also be similar to the fragrance style of the flower, light and breathable, rich changes.

ECOWASH PRODUCTS VISIT JUST ONE IN THE WORLD



CREATIVE DESIGN



CASUAL FASHION



SPORTS HOMESTYLE

The ready-to-wear style is unique, fashionable and young. It is suitable for unisex casual men 's and women' s wear. It can be used alone, or it can be used in jacquard or intermediate colors with textured yarns such as slub yarn, loops, and ripples. Different organizations and tassel designs can be used. Stitching, rich and layered.

ECOWASH PRODUCTS VISIT JUST ONE IN THE WORLD



INFANTS AND
YOUNG CHILDREN



BUSINESS CASUAL



SP CHANEL' S STYLE

ECOWASH



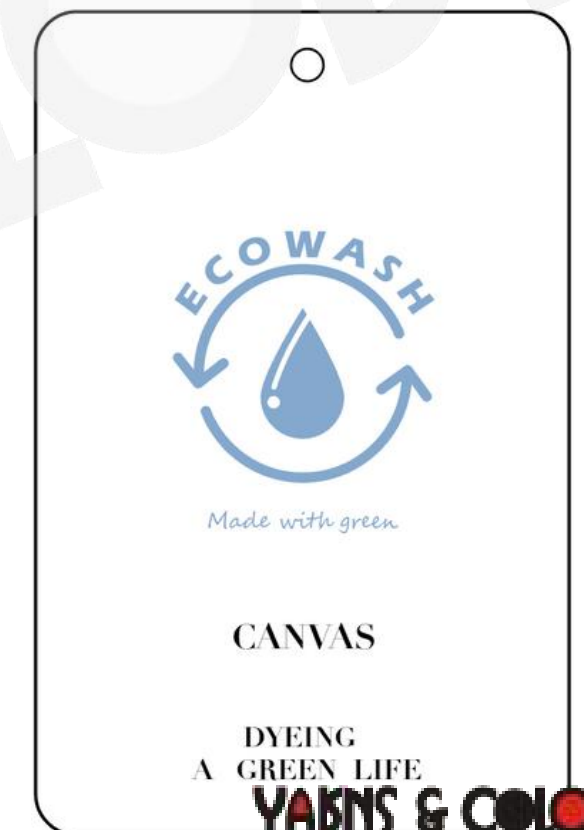
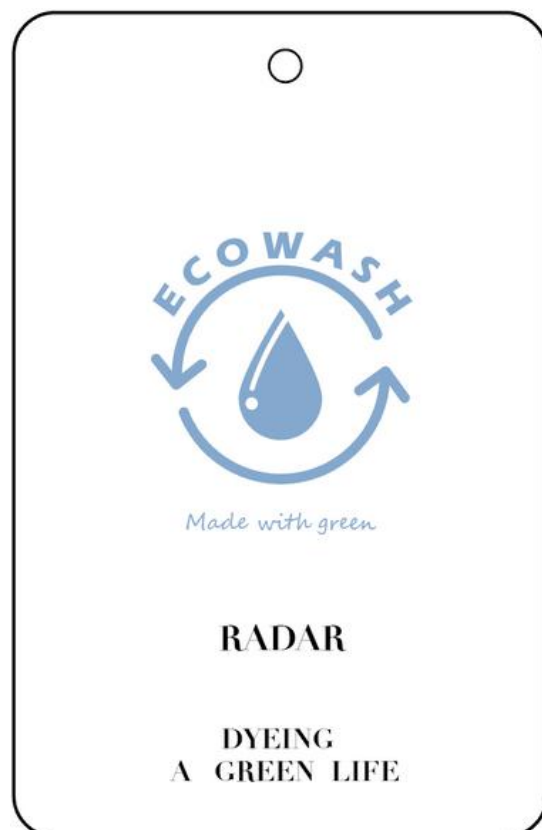
The natural feeling of linen and cotton is healthy, environmentally friendly, clear and cool. This brings a more personalized appearance.

Pure natural organic cotton and biodegradable wool give double protection and save resources. Retro trend personality, suitable for seasonal use.

The fabric is thick and warm, with rich color layers.

A brand-new washing and dyeing process is applied to make clothes have the fading and retro effect of denim, and the dye can be recycled.

The fabric is full of elasticity, smooth and delicate, with a smooth cashmere feel and rich colors.





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WECHAT



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DESIGN | CLOTHING

WECHAT:YARNCOLORS

THANK YOU!