

Converting Colors

XYZ(18.5819, 23.5406, 24.1398)

Have a look what the booklet for
XYZ(18.5819, 23.5406, 24.1398)
contains.

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Color

**XYZ(18.4990, 23.4459,
23.9726)**

Conversions

Conversions Part 1

Format	Color
Hex	618E80
RGB	97, 142, 128
RGB Percent	38%, 56%, 50%
CMY	0.6196, 0.4431, 0.4980
CMYK	0.32, 0.00, 0.10, 0.44
HSL	161°, 19%, 47%
HSV	161°, 32%, 56%
XYZ	18.4990, 23.4459, 23.9726
YIQ	126.9490, -22.3260, -13.8940

Conversions

Conversions Part 2

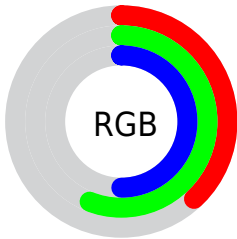
Format	Color
R_{YB}	97, 124, 142
Decimal	6393472
CIE _{Lab}	55.53, -18.55, 2.56
CIE _{LCh}	56, 18.728, 172.149
Yxy	23.4459, 0.2806, 0.3557
Android (android.graphics.Color)	4284583552 (0xFF618E80)
YUV	126.9490, 0.5181, -26.2653
Hunter-Lab	48.4210, -16.5416, 4.5410

Details

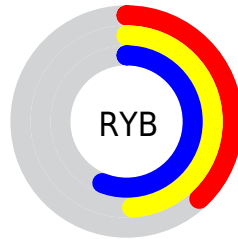
The XYZ color **18.4990, 23.4459, 23.9726** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3000, 15.4484, 17.0570**, and the grayscale version is **20.1595, 21.2094, 23.0970**.

A 20% lighter version of the original color is **40.4748, 49.2056, 51.0804**, and **6.4574, 8.8472, 8.7645** is the 20% darker color. If you saturate the color by 10%, you get **16.8349, 22.6215, 22.4099**, and if you desaturate by 10%, it is **20.4480, 24.4169, 25.6158**.

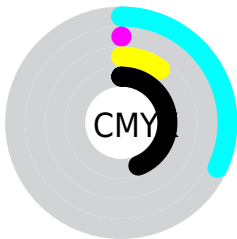
Distribution



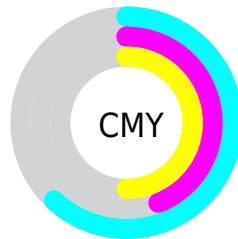
- Red (38%)
- Green (56%)
- Blue (50%)



- Red (38%)
- Yellow (49%)
- Blue (56%)



- Cyan (32%)
- Magenta (0%)
- Yellow (10%)
- Black (44%)



- Cyan (62%)
- Magenta (44%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4990, 23.4459, 23.9726 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 18.4990, 23.4459, 23.9726 by changing the saturation by 10% instead.

■ 18.4990, 23.4459,
23.9726

■ 18.4990, 23.4459,
23.9726

236.6604,
270.0070, 285.9640

■ 11.4107, 14.9231,
15.1013

■ 40.4092, 49.1245,
50.9288

■ 6.4131, 8.7654,
8.7431

■ 55.9619, 67.0490,
69.8507

■ 3.1409, 4.5885,
4.4795

■ 75.0667, 88.8763,
92.9599

■ 1.2287, 2.0079,
1.8919

■ 98.0890, 114.9906,
120.6749

■ 0.1289, 0.6121,
0.4876

125.3941,
145.7765, 153.4143

■ 0.0000, 0.0000,
0.0000

157.3475,

181.6183, 191.5966

194.3145,
222.9003, 235.6403

■ 18.4990, 23.4459,
23.9726

■ 18.4990, 23.4459,
23.9726

■ 16.8349, 22.6215,
22.4099

■ 20.4480, 24.4169,
25.6158

■ 15.4391, 21.9334,
20.9245

■ 22.6933, 25.5386,
27.3393

■ 14.2963, 21.3742,
19.5154

■ 25.2485, 26.8185,
29.1450

■ 13.3887, 20.9350,
18.1809

■ 28.1252, 28.2627,
31.0343

■ 12.6963, 20.6052,
16.9192

■ 31.3349, 29.8770,
33.0085

■ 12.1954, 20.3729,
15.7282

■ 34.8881, 31.6668,
35.0688

■ 11.8696, 20.2253,
14.7892

■ 38.7952, 33.6375,
37.2165

■ 43.0659, 35.7940,
39.4527

■ 47.7096, 38.1413,
41.7787

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.2294, 23.4459, 19.0365



18.4990, 23.4459, 23.9726



18.7310, 23.4459, 30.1691

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.4990, 23.4459, 23.9726



23.8510, 23.4459, 37.8867



24.8705, 23.4459, 17.4025

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.4990, 23.4459, 23.9726



18.3000, 15.4484, 17.0570

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



26.2615, 23.4459, 21.3902



18.4990, 23.4459, 23.9726



25.6474, 23.4459, 33.3507

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.4990, 23.4459, 23.9726



21.7345, 23.4459, 38.8698



26.5544, 23.4459, 27.1505



22.8440, 23.4459, 15.6537

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.4990, 23.4459, 23.9726



19.4074, 23.4459, 34.1554



26.5544, 23.4459, 27.1505



25.4330, 23.4459, 18.4924

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.4997, 23.4469, 23.9731



40.6491, 45.3500, 48.6713



18.4184, 23.6058, 14.8951



8.9616, 10.0703, 10.7851



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.4997, 23.4469, 23.9731



30.4871, 40.2860, 40.3015



18.3035, 21.4764, 28.7730



5.4898, 6.0881, 6.5451



10.6651, 18.1619, 13.3226



0.1119, 0.1776, 0.1797

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.3000, 15.4484, 17.0570



30.0811, 23.9023, 26.1494



18.3908, 16.7685, 13.5768



5.4737, 5.4500, 5.9925



10.4346, 5.3309, 2.6742



0.1088, 0.0546, 0.0732

Previews

White Background



This preview shows how the XYZ color 18.4990, 23.4459, 23.9726 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.4990, 23.4459, 23.9726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4990, 23.4459, 23.9726

Background



This preview shows how black text looks on a background with the XYZ color 18.4990, 23.4459, 23.9726.



This preview shows how white text looks on a background with the XYZ color 18.4990, 23.4459,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.4990, 23.4459, 23.9726

Protanopia

22.1429, 23.2510, 22.0597

Deuteranopia

23.6700, 23.1880, 24.7009



Tritanopia

20.2171, 23.4920, 32.3230

Trichromacy



Original Color

18.4990, 23.4459, 23.9726

Protanomaly

20.5319, 23.2266, 22.8031

Deuteranomaly

21.3189, 22.9760, 24.4303

Tritanomaly

19.5161, 23.4185, 29.0828

Monochromacy



Original Color

18.4990, 23.4459, 23.9726

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.2845, 21.7478, 23.2600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4990, 23.4459, 23.9726 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(97, 142, 128) looks like.

```
.text, #text, p{  
    color:rgb(97, 142, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(97, 142, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 142, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.4990, 23.4459, 23.9726 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 142, 128) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(97, 142, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(97, 142, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 142, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 142, 128);  
box-shadow:4px 4px 4px 4px rgb(97, 142,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4990, 23.4459, 23.9726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 142, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(97, 142,  
128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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