

Converting Colors

XYZ(18.9765, 23.8648, 24.0762)

Have a look what the booklet for
XYZ(18.9765, 23.8648, 24.0762)
contains.

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Color

**XYZ(18.9743, 23.9128,
24.0376)**

Conversions

Conversions Part 1

Format	Color
Hex	648F80
RGB	100, 143, 128
RGB Percent	39%, 56%, 50%
CMY	0.6078, 0.4392, 0.4980
CMYK	0.30, 0.00, 0.10, 0.44
HSL	159°, 18%, 48%
HSV	159°, 30%, 56%
XYZ	18.9743, 23.9128, 24.0376
YIQ	128.4330, -20.8130, -13.7810

Conversions

Conversions Part 2

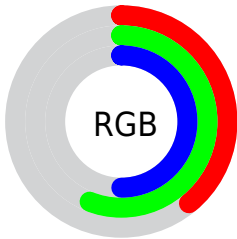
Format	Color
R_{YB}	100, 126, 143
Decimal	6590336
CIE _{Lab}	56.00, -18.12, 3.26
CIE _{LCh}	56, 18.416, 169.796
Yxy	23.9128, 0.2835, 0.3573
Android (android.graphics.Color)	4284780416 (0xFF648F80)
YUV	128.4330, -0.2135, -24.9357
Hunter-Lab	48.9007, -16.3153, 5.0860

Details

The XYZ color **18.9743, 23.9128, 24.0376** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.9803, 16.1925, 18.3459**, and the grayscale version is **20.6747, 21.7514, 23.6873**.

A 20% lighter version of the original color is **41.2556, 49.9441, 51.1818**, and **6.6037, 8.9226, 8.7713** is the 20% darker color. If you saturate the color by 10%, you get **17.2091, 23.0405, 22.2831**, and if you desaturate by 10%, it is **21.0346, 24.9367, 25.8913**.

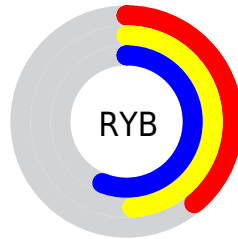
Distribution



Red (39%)

Green (56%)

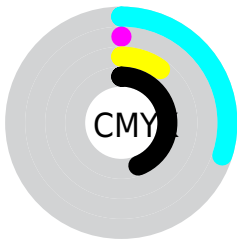
Blue (50%)



Red (39%)

Yellow (49%)

Blue (56%)

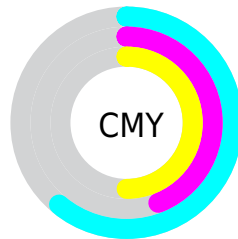


Cyan (30%)

Magenta (0%)

Yellow (10%)

Black (44%)



Cyan (61%)

Magenta (44%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9743, 23.9128, 24.0376 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 18.9743, 23.9128, 24.0376 by changing the saturation by 10% instead.

■ 18.9743, 23.9128,
24.0376

■ 18.9743, 23.9128,
24.0376

239.2477,
272.3793, 286.3032

■ 11.7556, 15.2689,
15.1491

■ 41.2079, 49.8879,
51.0362

■ 6.6485, 9.0084,
8.7763

■ 56.9535, 67.9879,
69.9832

■ 3.2876, 4.7466,
4.5007

■ 76.2721, 90.0087,
93.1203

■ 1.3076, 2.0994,
1.9039

■ 99.5290, 116.3348,
120.8657

■ 0.1889, 0.6643,
0.4952

127.0897,
147.3505, 153.6382

■ 0.0000, 0.0000,
0.0000

159.3195,

183.4402, 191.8563

196.5837,
224.9884, 235.9384

■ 18.9743, 23.9128,
24.0376

■ 18.9743, 23.9128,
24.0376

■ 17.2091, 23.0405,
22.2831

■ 21.0346, 24.9367,
25.8913

■ 15.7223, 22.3092,
20.6241

■ 23.4018, 26.1162,
27.8443

■ 14.4986, 21.7117,
19.0594

■ 26.0892, 27.4590,
29.8989

■ 13.5200, 21.2388,
17.5868

■ 29.1090, 28.9711,
32.0569

■ 12.7666, 20.8802,
16.2041

■ 32.4726, 30.6585,
34.3198

■ 12.2149, 20.6239,
14.9089

■ 36.1908, 32.5267,
36.6892

■ 11.8037, 20.4381,
13.7050

■ 40.2741, 34.5811,
39.1668

■ 44.7323, 36.8267,
41.7539

■ 49.5751, 39.2686,
44.4521

Harmonies

Analogous

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



19.7761, 23.9128, 19.2503



18.9743, 23.9128, 24.0376



19.1300, 23.9128, 30.1619

Triad

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



18.9743, 23.9128, 24.0376



24.1264, 23.9128, 38.5327



25.4416, 23.9128, 18.1517

Complementary

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



18.9743, 23.9128, 24.0376



18.9803, 16.1925, 18.3459

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.



26.7519, 23.9128, 22.3064



18.9743, 23.9128, 24.0376



25.9608, 23.9128, 34.2562

Square

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



18.9743, 23.9128, 24.0376



22.0191, 23.9128, 39.1877



26.9476, 23.9128, 28.1443



23.4528, 23.9128, 16.2165

Rectangle

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



18.9743, 23.9128, 24.0376



19.7592, 23.9128, 34.1803



26.9476, 23.9128, 28.1443



25.9811, 23.9128, 19.3021

Sweetspot

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



18.9750, 23.9138, 24.0381



42.3073, 46.9677, 50.1790



19.2003, 24.2143, 15.7189



9.5642, 10.7020, 11.3980



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.9750, 23.9138, 24.0381



31.8073, 41.7487, 40.9245



19.0961, 22.4571, 29.3160



5.4814, 6.0848, 6.5010



10.4464, 18.0744, 12.1706



0.1103, 0.1770, 0.1714

Inverse Universe

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



18.9803, 16.1925, 18.3459



31.8205, 25.6525, 29.0688



18.8293, 17.1615, 14.3771



5.4817, 5.4532, 6.0348



10.5320, 5.3698, 3.1866



0.1104, 0.0552, 0.0815

Previews

White Background



This preview shows how the XYZ color 18.9743, 23.9128, 24.0376 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 18.9743, 23.9128, 24.0376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

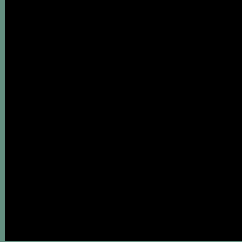
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9743, 23.9128, 24.0376

Background



This preview shows how black text looks on a background with the XYZ color 18.9743, 23.9128, 24.0376.



This preview shows how white text looks on a background with the XYZ color 18.9743, 23.9128,

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

18.9743, 23.9128, 24.0376

Protanopia

22.6101, 23.6941, 22.1206

Deuteranopia

24.1597, 23.6351, 24.7614



Tritanopia

20.7897, 23.9938, 32.8137

Trichromacy



Original Color

18.9743, 23.9128, 24.0376

Protanomaly

21.1048, 23.7320, 22.8704

Deuteranomaly

21.9144, 23.4872, 24.4976

Tritanomaly

20.0763, 23.9165, 29.5448

Monochromacy



Original Color

18.9743, 23.9128, 24.0376

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.7550, 22.1851, 23.6630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9743, 23.9128, 24.0376 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(100, 143, 128)` looks like.

```
.text, #text, p{  
    color:rgb(100, 143, 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(100, 143, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 143, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.9743, 23.9128, 24.0376 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(100, 143, 128) }
```


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

```
.border{ border-color:rgb(100, 143, 128) }
```

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

Here you see how a box with a 4 pixel rgb(100, 143, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 143, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 143, 128);  
box-shadow:4px 4px 4px 4px rgb(100, 143,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9743, 23.9128, 24.0376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 143, 128) }
```

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

```
.background{ background-color: rgb(100,  
143, 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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