

Converting Colors

XYZ(19.4770, 23.1660, 23.4822)

Have a look what the booklet for
XYZ(19.4770, 23.1660, 23.4822)
contains.

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Color

**XYZ(19.4748, 23.0888,
23.5088)**

Conversions

Conversions Part 1

Format	Color
Hex	6F8A7F
RGB	111, 138, 127
RGB Percent	44%, 54%, 50%
CMY	0.5647, 0.4588, 0.5020
CMYK	0.20, 0.00, 0.08, 0.46
HSL	156°, 11%, 49%
HSV	156°, 20%, 54%
XYZ	19.4748, 23.0888, 23.5088
YIQ	128.6730, -12.5610, -9.1450

Conversions

Conversions Part 2

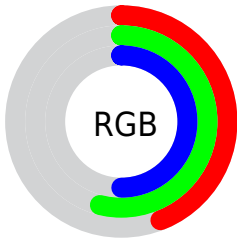
Format	Color
R_{YB}	111, 128, 138
Decimal	7309951
CIE _{Lab}	55.16, -11.97, 2.71
CIE _{LCh}	55, 12.275, 167.231
Yxy	23.0888, 0.2947, 0.3494
Android (android.graphics.Color)	4285500031 (0xFF6F8A7F)
YUV	128.6730, -0.8248, -15.4992
Hunter-Lab	48.0508, -11.7436, 4.6280

Details

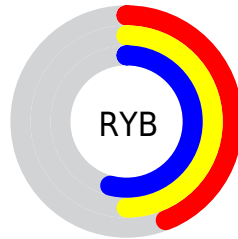
The XYZ color **19.4748, 23.0888, 23.5088** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.6794, 18.1779, 20.8849**, and the grayscale version is **20.7584, 21.8394, 23.7832**.

A 20% lighter version of the original color is **41.9733, 48.3434, 50.2990**, and **6.9148, 8.5863, 8.5006** is the 20% darker color. If you saturate the color by 10%, you get **17.5145, 22.1201, 21.5574**, and if you desaturate by 10%, it is **21.7251, 24.2060, 25.5815**.

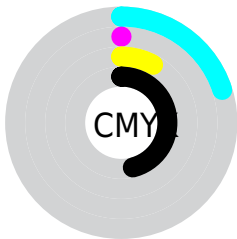
Distribution



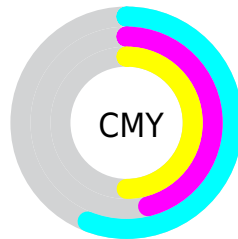
- Red (44%)
- Green (54%)
- Blue (50%)



- Red (44%)
- Yellow (50%)
- Blue (54%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (46%)



- Cyan (56%)
- Magenta (46%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4748, 23.0888, 23.5088 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 19.4748, 23.0888, 23.5088 by changing the saturation by 10% instead.

■ 19.4748, 23.0888,
23.5088

■ 19.4748, 23.0888,
23.5088

241.9457,
268.1808, 283.5338

■ 12.1199, 14.6591,
14.7608

■ 42.0456, 48.5391,
50.1612

■ 6.8982, 8.5805,
8.5069

■ 57.9921, 66.3285,
68.9027

■ 3.4443, 4.4686,
4.3286

■ 77.5333, 88.0065,
91.8124

■ 1.3928, 1.9390,
1.8073

■ 101.0345,
113.9576, 119.3089

■ 0.2511, 0.5717,
0.4328

128.8609,
144.5662, 151.8108

■ 0.0000, 0.0000,
0.0000

161.3780,

180.2167, 189.7365

198.9511,
221.2934, 233.5047

■ 19.4748, 23.0888,
23.5088

■ 19.4748, 23.0888,
23.5088

■ 17.5145, 22.1201,
21.5574

■ 21.7251, 24.2060,
25.5815

■ 15.8298, 21.2904,
19.7235

■ 24.2754, 25.4747,
27.7763

■ 14.4076, 20.5938,
18.0052

■ 27.1373, 26.9018,
30.0958

■ 13.2333, 20.0227,
16.3999

■ 30.3216, 28.4924,
32.5421

■ 12.2904, 19.5688,
14.9052

■ 33.8381, 30.2519,
35.1173

■ 11.5607, 19.2225,
13.5181

■ 37.6966, 32.1852,
37.8233

■ 11.0228, 18.9731,
12.2357

■ 41.9062, 34.2968,
40.6621

■ 10.6200, 18.7912,
11.0533

■ 46.4758, 36.5914,
43.6356

■ 10.6033, 18.7836,
11.0041

■ 51.4139, 39.0734,
46.7457

Harmonies

Analogous

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



20.0675, 23.0888, 20.3565



19.4748, 23.0888, 23.5088



19.5239, 23.0888, 27.4418

Triad

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



19.4748, 23.0888, 23.5088



22.7349, 23.0888, 33.0568



23.7832, 23.0888, 19.9977

Complementary

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



19.4748, 23.0888, 23.5088



19.6794, 18.1779, 20.8849

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.



24.5589, 23.0888, 22.9703



19.4748, 23.0888, 23.5088



23.9366, 23.0888, 30.6191

Square

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



19.4748, 23.0888, 23.5088



21.3681, 23.0888, 33.2396



24.6162, 23.0888, 26.8445



22.5326, 23.0888, 18.4759

Rectangle

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



19.4748, 23.0888, 23.5088



19.9137, 23.0888, 29.9867



24.6162, 23.0888, 26.8445



24.1104, 23.0888, 20.8455

Sweetspot

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



19.4754, 23.0898, 23.5093



39.7771, 43.4032, 46.3952



20.0200, 23.4816, 18.5165



8.8690, 9.7088, 10.3602



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.4754, 23.0898, 23.5093



32.9110, 39.9967, 40.0617



19.9128, 22.7535, 27.3883



5.0880, 5.6547, 5.9845



9.7286, 17.2240, 10.1274



0.0719, 0.1173, 0.1056

Inverse Universe

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



19.6794, 18.1779, 20.8849



33.3313, 29.8812, 34.6584



19.2843, 18.4177, 17.5778



5.1118, 5.0802, 5.6774



10.2764, 5.2207, 3.9596



0.0752, 0.0375, 0.0629

Previews

White Background



This preview shows how the XYZ color 19.4748, 23.0888, 23.5088 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 19.4748, 23.0888, 23.5088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

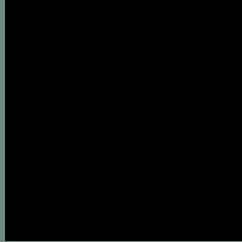
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4748, 23.0888, 23.5088

Background



This preview shows how black text looks on a background with the XYZ color 19.4748, 23.0888, 23.5088.



This preview shows how white text looks on a background with the XYZ color 19.4748, 23.0888,

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

19.4748, 23.0888, 23.5088

Protanopia

21.8448, 22.8969, 22.0071

Deuteranopia

23.2289, 22.7835, 23.9422



Tritanopia

20.9225, 23.0481, 30.5401

Trichromacy



Original Color

19.4748, 23.0888, 23.5088

Protanomaly

20.9156, 23.0175, 22.4092

Deuteranomaly

21.6854, 22.7777, 23.6757

Tritanomaly

20.4038, 23.0498, 27.7998

Monochromacy



Original Color

19.4748, 23.0888, 23.5088

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.1736, 22.1986, 23.6436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4748, 23.0888, 23.5088 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(111, 138, 127)` looks like.

```
.text, #text, p{  
    color:rgb(111, 138, 127)  
}
```

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(111, 138, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 138, 127) }
```

Border

The CSS property to change the border of an element to XYZ 19.4748, 23.0888, 23.5088 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(111, 138, 127) }
```


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

```
.border{ border-color:rgb(111, 138, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 138, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 138, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 138, 127);  
box-shadow:4px 4px 4px 4px rgb(111, 138,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4748, 23.0888, 23.5088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 138, 127) }
```

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

```
.background{ background-color: rgb(111,  
138, 127) }
```

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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