

Converting Colors

XYZ(19.9603, 23.6502, 21.9717)

Have a look what the booklet for
XYZ(19.9603, 23.6502, 21.9717)
contains.

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Color

**XYZ(19.9479, 23.5834,
21.9130)**

Conversions

Conversions Part 1

Format	Color
Hex	748B7A
RGB	116, 139, 122
RGB Percent	45%, 55%, 48%
CMY	0.5451, 0.4549, 0.5216
CMYK	0.17, 0.00, 0.12, 0.45
HSL	136°, 9%, 50%
HSV	136°, 17%, 55%
XYZ	19.9479, 23.5834, 21.9130
YIQ	130.1850, -8.2510, -10.1630

Conversions

Conversions Part 2

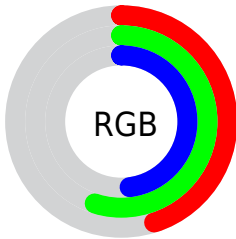
Format	Color
RYB	116, 134, 139
Decimal	7637882
CIELab	55.67, -11.78, 6.36
CIELCh	56, 13.386, 151.626
Yxy	23.5834, 0.3048, 0.3604
Android (android.graphics.Color)	4285827962 (0xFF748B7A)
YUV	130.1850, -4.0352, -12.4402
Hunter-Lab	48.5627, -11.6632, 7.2405

Details

The XYZ color **19.9479, 23.5834, 21.9130** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.1273, 19.6737, 24.8752**, and the grayscale version is **21.3000, 22.4093, 24.4037**.

A 20% lighter version of the original color is **42.8584, 49.5208, 47.3440**, and **7.1589, 8.8547, 7.6352** is the 20% darker color. If you saturate the color by 10%, you get **17.6334, 22.4606, 18.6555**, and if you desaturate by 10%, it is **22.6076, 24.8777, 25.5390**.

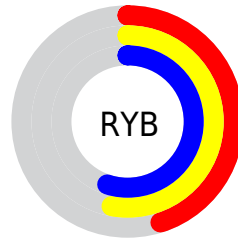
Distribution



Red (45%)

Green (55%)

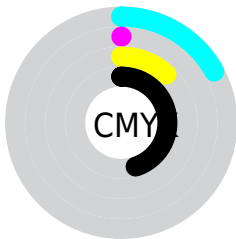
Blue (48%)



Red (45%)

Yellow (53%)

Blue (55%)

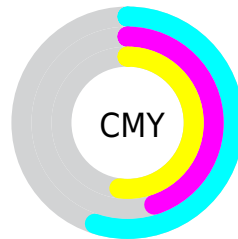


Cyan (17%)

Magenta (0%)

Yellow (12%)

Black (45%)



Cyan (55%)

Magenta (45%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9479, 23.5834, 21.9130 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 19.9479, 23.5834, 21.9130 by changing the saturation by 10% instead.

■ 19.9479, 23.5834,
21.9130

■ 19.9479, 23.5834,
21.9130

244.4719,
270.7075, 275.0303

■ 12.4652, 15.0249,
13.5953

■ 42.8344, 49.3495,
47.5025

■ 7.1358, 8.8368,
7.7042

■ 58.9690, 67.3259,
65.6114

■ 3.5943, 4.6349,
3.8212

■ 78.7182, 89.2103,
87.8210

■ 1.4753, 2.0347,
1.5278

102.4475,
115.3872, 114.5501

■ 0.3089, 0.6275,
0.2385

130.5221,
146.2410, 146.2169

■ 0.0000, 0.0000,
0.0000

163.3075,

182.1561, 183.2402

201.1690,
223.5167, 226.0385

■ 19.9479, 23.5834,
21.9130

■ 19.9479, 23.5834,
21.9130

■ 17.6334, 22.4606,
18.6555

■ 22.6076, 24.8777,
25.5390

■ 15.6477, 21.4991,
15.7535

■ 25.6239, 26.3471,
29.5431

■ 13.9763, 20.6924,
13.1952

■ 29.0103, 27.9992,
33.9362

■ 12.6024, 20.0320,
10.9680

■ 32.7788, 29.8397,
38.7286

■ 11.5079, 19.5089,
9.0581

■ 36.9410, 31.8746,
43.9299

■ 10.6725, 19.1129,
7.4510

■ 41.5080, 34.1094,
49.5497

■ 10.0733, 18.8326,
6.1309

■ 46.4904, 36.5492,
55.5971

■ 9.6729, 18.6490,
5.0801

■ 51.8984, 39.1992,
62.0808

■ 9.5555, 18.5952,
4.7755

■ 57.7418, 42.0643,
69.0095

Harmonies

Analogous

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



20.9217, 23.5834, 19.2076



19.9479, 23.5834, 21.9130



19.6268, 23.5834, 25.9158

Triad

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



19.9479, 23.5834, 21.9130



22.4981, 23.5834, 34.9564



24.9892, 23.5834, 21.5461

Complementary

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



19.9479, 23.5834, 21.9130



21.1273, 19.6737, 24.8752

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.



25.4561, 23.5834, 25.4422



19.9479, 23.5834, 21.9130



23.9783, 23.5834, 33.4601

Square

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



19.9479, 23.5834, 21.9130



21.0588, 23.5834, 33.7434



25.0782, 23.5834, 29.8520



23.8288, 23.5834, 19.0131

Rectangle

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



19.9479, 23.5834, 21.9130



19.8141, 23.5834, 28.8784



25.0782, 23.5834, 29.8520



25.2348, 23.5834, 22.7238

Sweetspot

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



19.9485, 23.5844, 21.9135



41.2218, 44.9085, 46.7237



22.0983, 24.7343, 20.1327



9.4248, 10.3121, 10.6674



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.



19.9485, 23.5844, 21.9135



34.0395, 41.4159, 36.8967



20.6868, 23.8797, 25.8008



5.0219, 5.6283, 5.6366



8.6302, 16.7847, 4.3432



0.0626, 0.1136, 0.0568

Inverse Universe

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



21.1273, 19.6737, 24.8752



36.5772, 32.9951, 43.2717



20.3909, 19.3792, 20.9975



5.1791, 5.1071, 6.0315



11.8149, 5.8361, 12.0616



0.0845, 0.0412, 0.1117

Previews

White Background



This preview shows how the XYZ color 19.9479, 23.5834, 21.9130 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 19.9479, 23.5834, 21.9130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

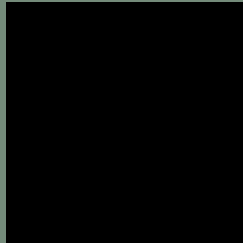
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9479, 23.5834, 21.9130

Background



This preview shows how black text looks on a background with the XYZ color 19.9479, 23.5834, 21.9130.



This preview shows how white text looks on a background with the XYZ color 19.9479, 23.5834,

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

19.9479, 23.5834, 21.9130

Protanopia

22.3648, 23.5959, 20.8285

Deuteranopia

23.7517, 23.2831, 22.3110



Tritanopia

21.7382, 23.6767, 30.6185

Trichromacy



Original Color

19.9479, 23.5834, 21.9130

Protanomaly

21.4142, 23.5093, 21.1784

Deuteranomaly

22.1429, 23.2510, 22.0597

Tritanomaly

21.0688, 23.6194, 27.1155

Monochromacy



Original Color

19.9479, 23.5834, 21.9130

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.6757, 22.6673, 23.3642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9479, 23.5834, 21.9130 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(116, 139, 122)` looks like.

```
.text, #text, p{  
    color:rgb(116, 139, 122)  
}
```

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(116, 139, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 139, 122) }
```

Border

The CSS property to change the border of an element to XYZ 19.9479, 23.5834, 21.9130 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(116, 139, 122) }
```


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

```
.border{ border-color:rgb(116, 139, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 139, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 139, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 139, 122); box-shadow:4px 4px 4px 4px rgb(116, 139, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9479, 23.5834, 21.9130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 139, 122) }
```

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

```
.background{ background-color: rgb(116,  
139, 122) }
```

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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