

Converting Colors

XYZ(16.4447, 21.9650, 23.0718)

Have a look what the booklet for
XYZ(16.4447, 21.9650, 23.0718)
contains.

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Color

**XYZ(16.4522, 21.9680,
23.1118)**

Conversions

Conversions Part 1

Format	Color
Hex	508C7E
RGB	80, 140, 126
RGB Percent	31%, 55%, 49%
CMY	0.6863, 0.4510, 0.5059
CMYK	0.43, 0.00, 0.10, 0.45
HSL	166°, 27%, 43%
HSV	166°, 43%, 55%
XYZ	16.4522, 21.9680, 23.1118
YIQ	120.4640, -31.2660, -17.0740

Conversions

Conversions Part 2

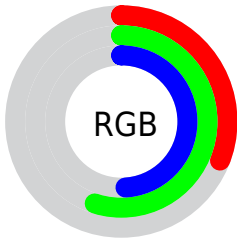
Format	Color
RYB	80, 114, 140
Decimal	5278846
CIELab	53.99, -23.04, 1.37
CIELCh	54, 23.081, 176.588
Yxy	21.9680, 0.2674, 0.3570
Android (android.graphics.Color)	4283468926 (0xFF508C7E)
YUV	120.4640, 2.7292, -35.4869
Hunter-Lab	46.8700, -19.3659, 3.5729

Details

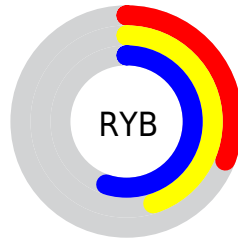
The XYZ color **16.4522, 21.9680, 23.1118** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.7049, 12.1214, 12.1023**, and the grayscale version is **18.0005, 18.9379, 20.6233**.

A 20% lighter version of the original color is **36.9442, 46.7438, 49.7231**, and **5.4477, 8.0812, 8.2939** is the 20% darker color. If you saturate the color by 10%, you get **15.1838, 21.3387, 21.9702**, and if you desaturate by 10%, it is **17.9750, 22.7288, 24.3022**.

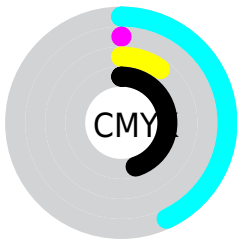
Distribution



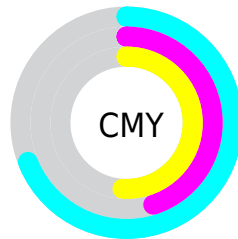
- Red (31%)
- Green (55%)
- Blue (49%)



- Red (31%)
- Yellow (45%)
- Blue (55%)



- Cyan (43%)
- Magenta (0%)
- Yellow (10%)
- Black (45%)



- Cyan (69%)
- Magenta (45%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4522, 21.9680, 23.1118 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 16.4522, 21.9680, 23.1118 by changing the saturation by 10% instead.

■ 16.4522, 21.9680,
23.1118

■ 16.4522, 21.9680,
23.1118

225.2138,
262.3791, 281.4392

■ 9.9376, 13.8334,
14.4700

■ 36.9326, 46.6931,
49.5024

■ 5.4195, 8.0049,
8.3058

■ 51.6291, 64.0524,
68.0882

■ 2.5327, 4.0981,
4.2007

■ 69.7837, 85.2553,
90.8258

■ 0.9118, 1.7286,
1.7361

■ 91.7615, 110.6864,
118.1337

■ 0.0000, 0.4421,
0.3853

■ 117.9281,
140.7299, 150.4305

■ 0.0000, 0.0000,
0.0000

148.6488,

175.7702, 188.1346

184.2889,
216.1918, 231.6647

■ 16.4522, 21.9680,
23.1118

■ 16.4522, 21.9680,
23.1118

■ 15.1838, 21.3387,
21.9702

■ 17.9750, 22.7288,
24.3022

■ 14.1526, 20.8302,
20.8749

■ 19.7646, 23.6259,
25.5408

■ 13.3419, 20.4347,
19.8252

■ 21.8347, 24.6666,
26.8292

■ 12.7320, 20.1419,
18.8197

■ 24.1975, 25.8575,
28.1683

■ 12.3000, 19.9400,
17.8572

■ 26.8644, 27.2044,
29.5588

■ 12.0499, 19.8255,
17.1934

■ 29.8464, 28.7128,
31.0017

■ 33.1538, 30.3881,
32.4976

■ 36.7963, 32.2354,
34.0474

■ 40.7835, 34.2595,
35.6519

Harmonies

Analogous

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



17.1297, 21.9680, 17.1298



16.4522, 21.9680, 23.1118



16.8810, 21.9680, 30.6030

Triad

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



16.4522, 21.9680, 23.1118



23.0991, 21.9680, 38.4115



23.6316, 21.9680, 14.1947

Complementary

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



16.4522, 21.9680, 23.1118



15.7049, 12.1214, 12.1023

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.



25.4653, 21.9680, 18.2875



16.4522, 21.9680, 23.1118



25.1411, 21.9680, 32.3009

Square

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



16.4522, 21.9680, 23.1118



20.5960, 21.9680, 40.4019



26.0383, 21.9680, 24.7456



21.1665, 21.9680, 12.6683

Rectangle

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



16.4522, 21.9680, 23.1118



17.7566, 21.9680, 35.3388



26.0383, 21.9680, 24.7456



24.3496, 21.9680, 15.2705

Sweetspot

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



16.4528, 21.9689, 23.1123



38.3318, 43.4051, 47.2029



15.5460, 21.7692, 10.9722



8.6564, 9.9129, 10.7708



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.



16.4528, 21.9689, 23.1123



26.9283, 37.6985, 38.8875



15.3761, 18.2669, 27.5274



5.1238, 5.6690, 6.1727



10.7142, 17.6183, 15.3174



0.0768, 0.1193, 0.1313

Inverse Universe

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



15.7049, 12.1214, 12.1023



25.4452, 18.0586, 16.9711



16.3560, 14.3396, 9.4954



5.0776, 5.0665, 5.4971



9.8564, 5.0527, 1.7481



0.0704, 0.0355, 0.0373

Previews

White Background



This preview shows how the XYZ color 16.4522, 21.9680, 23.1118 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 16.4522, 21.9680, 23.1118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

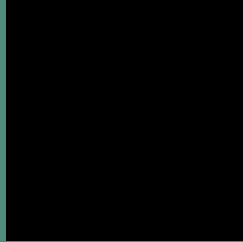
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4522, 21.9680, 23.1118

Background



This preview shows how black text looks on a background with the XYZ color 16.4522, 21.9680, 23.1118.

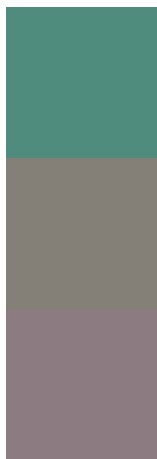


This preview shows how white text looks on a background with the XYZ color 16.4522, 21.9680,

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

16.4522, 21.9680, 23.1118

Protanopia

20.7218, 21.7568, 20.5601

Deuteranopia

21.9853, 21.5757, 23.7747



Tritanopia

18.1287, 22.0079, 31.3094

Trichromacy



Original Color

16.4522, 21.9680, 23.1118

Protanomaly

18.7035, 21.4851, 21.5736

Deuteranomaly

19.3501, 21.3753, 23.5281

Tritanomaly

17.4783, 21.9552, 28.1275

Monochromacy



Original Color

16.4522, 21.9680, 23.1118

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.9279, 19.5871, 21.3009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4522, 21.9680, 23.1118 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(80, 140, 126)` looks like.

```
.text, #text, p{  
  color:rgb(80, 140, 126)  
}
```

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(80, 140, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 140, 126) }
```

Border

The CSS property to change the border of an element to XYZ 16.4522, 21.9680, 23.1118 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(80, 140, 126) }
```


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

```
.border{ border-color:rgb(80, 140, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 140, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 140, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 140, 126);  
box-shadow:4px 4px 4px 4px rgb(80, 140,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4522, 21.9680, 23.1118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 140, 126) }
```

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

```
.background{ background-color: rgb(80, 140,  
126) }
```

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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