

Converting Colors

XYZ(16.4920, 19.7017, 18.1588)

Have a look what the booklet for
XYZ(16.4920, 19.7017, 18.1588)
contains.

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Color

**XYZ(16.4695, 19.6115,
18.2466)**

Conversions

Conversions Part 1

Format	Color
Hex	698070
RGB	105, 128, 112
RGB Percent	41%, 50%, 44%
CMY	0.5882, 0.4980, 0.5608
CMYK	0.18, 0.00, 0.13, 0.50
HSL	138°, 10%, 46%
HSV	138°, 18%, 50%
XYZ	16.4695, 19.6115, 18.2466
YIQ	119.2990, -8.5720, -9.8520

Conversions

Conversions Part 2

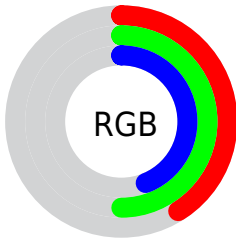
Format	Color
R_{YB}	105, 123, 128
Decimal	6914160
CIE _{Lab}	51.40, -11.74, 5.93
CIE _{LCh}	51, 13.158, 153.196
Yxy	19.6115, 0.3032, 0.3610
Android (android.graphics.Color)	4285104240 (0xFF698070)
YUV	119.2990, -3.5984, -12.5402
Hunter-Lab	44.2849, -11.1146, 6.5703

Details

The XYZ color **16.4695, 19.6115, 18.2466** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4056, 16.0733, 20.2751**, and the grayscale version is **17.6428, 18.5616, 20.2136**.

A 20% lighter version of the original color is **36.9350, 42.7960, 41.4357**, and **5.4087, 6.8320, 5.8841** is the 20% darker color. If you saturate the color by 10%, you get **14.6063, 18.7060, 15.6981**, and if you desaturate by 10%, it is **18.6092, 20.6550, 21.0649**.

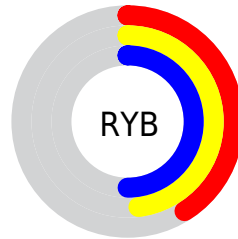
Distribution



Red (41%)

Green (50%)

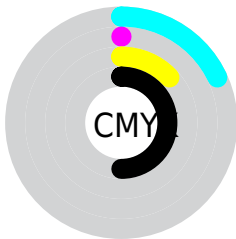
Blue (44%)



Red (41%)

Yellow (48%)

Blue (50%)

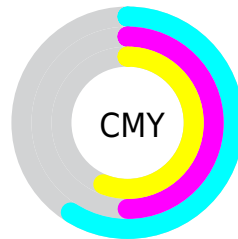


Cyan (18%)

Magenta (0%)

Yellow (13%)

Black (50%)



Cyan (59%)

Magenta (50%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4695, 19.6115, 18.2466 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 16.4695, 19.6115, 18.2466 by changing the saturation by 10% instead.

■ 16.4695, 19.6115,
18.2466

■ 16.4695, 19.6115,
18.2466

225.3128,
249.8041, 254.5400

■ 9.9499, 12.1130,
10.9559

■ 36.9623, 42.7649,
41.2767

■ 5.4278, 6.8207,
5.9234

■ 51.6662, 59.1885,
57.8531

■ 2.5377, 3.3502,
2.7305

■ 69.8290, 79.3559,
78.3620

■ 0.9143, 1.3172,
0.9587

■ 91.8159, 103.6516,
103.2216

■ 0.0000, 0.1544,
0.0000

117.9924,
132.4598, 132.8507

■ 0.0000, 0.0000,
0.0000

148.7238,

166.1650, 167.6678

184.3755,
205.1517, 208.0914

■ 16.4695, 19.6115,
18.2466

■ 16.4695, 19.6115,
18.2466

■ 14.6063, 18.7060,
15.6981

■ 18.6092, 20.6550,
21.0649

■ 13.0064, 17.9302,
13.4102

■ 21.0346, 21.8393,
24.1592

■ 11.6581, 17.2788,
11.3749

■ 23.7563, 23.1705,
27.5374

■ 10.5480, 16.7450,
9.5835

■ 26.7842, 24.6533,
31.2064

■ 9.6615, 16.3216,
8.0267

■ 30.1275, 26.2925,
35.1731

■ 8.9823, 16.0002,
6.6947

■ 33.7951, 28.0925,
39.4439

■ 8.4917, 15.7715,
5.5768

■ 37.7954, 30.0575,
44.0251

■ 8.1482, 15.6144,
4.6606

■ 42.1366, 32.1916,
48.9231

■ 8.0851, 15.5853,
4.4977

■ 46.8268, 34.4987,
54.1436

Harmonies

Analogous

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



17.2874, 19.6115, 15.8403



16.4695, 19.6115, 18.2466



16.2238, 19.6115, 21.7606

Triad

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



16.4695, 19.6115, 18.2466



18.7817, 19.6115, 29.4463



20.8411, 19.6115, 17.6230

Complementary

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



16.4695, 19.6115, 18.2466



17.4056, 16.0733, 20.2751

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.



21.2853, 19.6115, 20.9517



16.4695, 19.6115, 18.2466



20.0616, 19.6115, 28.0173

Square

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



16.4695, 19.6115, 18.2466



17.5211, 19.6115, 28.5049



20.9936, 19.6115, 24.7947



19.8058, 19.6115, 15.5112

Rectangle

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



16.4695, 19.6115, 18.2466



16.4075, 19.6115, 24.3402



20.9936, 19.6115, 24.7947



21.0666, 19.6115, 18.6218

Sweetspot

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



16.4700, 19.6123, 18.2470



33.9297, 36.9339, 38.5913



18.1689, 20.5314, 16.3701



7.8865, 8.6192, 8.9615



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.4700, 19.6123, 18.2470



27.4493, 33.7759, 30.0317



17.1458, 19.8826, 21.8054



4.3257, 4.8386, 4.8866



8.0171, 15.4534, 4.4626



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.4056, 16.0733, 20.2751



29.4486, 26.2106, 34.3646



16.7470, 15.8098, 16.8072



4.4442, 4.3908, 5.1434



10.6175, 5.2667, 9.8417



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4695, 19.6115, 18.2466 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 16.4695, 19.6115, 18.2466 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 16.4695, 19.6115, 18.2466

Background



This preview shows how black text looks on a background with the XYZ color 16.4695, 19.6115, 18.2466.

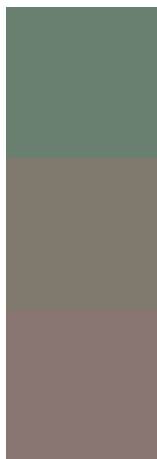


This preview shows how white text looks on a background with the XYZ color 16.4695, 19.6115,

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

16.4695, 19.6115, 18.2466

Protanopia

18.4722, 19.5352, 17.2651

Deuteranopia

19.8322, 19.4901, 18.6363



Tritanopia

18.0135, 19.6677, 25.7685

Trichromacy



Original Color

16.4695, 19.6115, 18.2466

Protanomaly

17.6299, 19.4630, 17.5794

Deuteranomaly

18.3976, 19.4713, 18.4115

Tritanomaly

17.4760, 19.6422, 22.9489

Monochromacy



Original Color

16.4695, 19.6115, 18.2466

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.0513, 18.7574, 19.2448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4695, 19.6115, 18.2466 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(105, 128, 112)` looks like.

```
.text, #text, p{  
    color:rgb(105, 128, 112)  
}
```

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(105, 128, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 128, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.4695, 19.6115, 18.2466 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(105, 128, 112) }
```


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

```
.border{ border-color:rgb(105, 128, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 128, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 128, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 128, 112);  
box-shadow:4px 4px 4px 4px rgb(105, 128,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4695, 19.6115, 18.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 128, 112) }
```

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

```
.background{ background-color: rgb(105,  
128, 112) }
```

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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