

Converting Colors

XYZ(16.9260, 18.7137, 17.8717)

Have a look what the booklet for
XYZ(16.9260, 18.7137, 17.8717)
contains.

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Color

**XYZ(16.8990, 18.7116,
17.7600)**

Conversions

Conversions Part 1

Format	Color
Hex	737A6F
RGB	115, 122, 111
RGB Percent	45%, 48%, 44%
CMY	0.5490, 0.5216, 0.5647
CMYK	0.06, 0.00, 0.09, 0.52
HSL	98°, 5%, 46%
HSV	98°, 9%, 48%
XYZ	16.8990, 18.7116, 17.7600
YIQ	118.6530, -0.6410, -4.9050

Conversions

Conversions Part 2

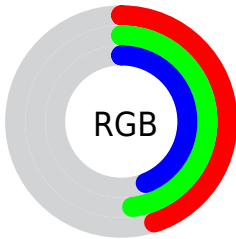
Format	Color
R_{YB}	111, 122, 118
Decimal	7567983
CIE Lab	50.35, -4.83, 5.12
CIE LCh	50, 7.036, 133.340
Yxy	18.7116, 0.3166, 0.3506
Android (android.graphics.Color)	4285758063 (0xFF737A6F)
YUV	118.6530, -3.7729, -3.2037
Hunter-Lab	43.2569, -5.9657, 5.9371

Details

The XYZ color **16.8990, 18.7116, 17.7600** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6693, 16.6261, 20.7439**, and the grayscale version is **17.4371, 18.3452, 19.9779**.

A 20% lighter version of the original color is **37.6833, 41.1319, 40.6035**, and **5.5945, 6.3173, 5.6271** is the 20% darker color. If you saturate the color by 10%, you get **15.2943, 17.9573, 14.4145**, and if you desaturate by 10%, it is **18.6826, 19.5486, 21.5937**.

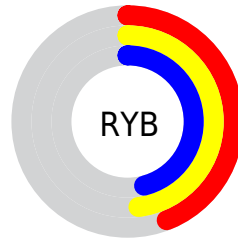
Distribution



Red (45%)

Green (48%)

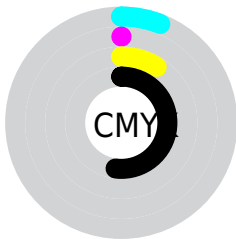
Blue (44%)



Red (44%)

Yellow (48%)

Blue (46%)

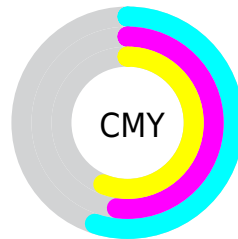


Cyan (6%)

Magenta (0%)

Yellow (9%)

Black (52%)



Cyan (55%)

Magenta (52%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8990, 18.7116, 17.7600 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 16.8990, 18.7116, 17.7600 by changing the saturation by 10% instead.

■ 16.8990, 18.7116,
17.7600

■ 16.8990, 18.7116,
17.7600

227.7573,
244.8520, 251.7053

■ 10.2574, 11.4621,
10.6102

■ 37.6970, 41.2462,
40.4363

■ 5.6335, 6.3785,
5.6945

■ 52.5841, 57.3001,
56.7999

■ 2.6621, 3.0766,
2.5945

■ 70.9504, 77.0575,
77.0719

■ 0.9777, 1.1719,
0.8896

■ 93.1613, 100.9029,
101.6706

■ 0.0000, 0.0385,
0.0000

119.5820,
129.2206, 131.0148

■ 0.0000, 0.0000,
0.0000

150.5780,

162.3951, 165.5230

186.5147,
200.8108, 205.6136

■ 16.8990, 18.7116,
17.7600

■ 16.8990, 18.7116,
17.7600

■ 15.2943, 17.9573,
14.4145

■ 18.6826, 19.5486,
21.5937

■ 13.8610, 17.2806,
11.5364

■ 20.6490, 20.4683,
25.9327

■ 12.5937, 16.6798,
9.1052

■ 22.8041, 21.4739,
30.7951

■ 11.4857, 16.1518,
7.0985

■ 25.1528, 22.5676,
36.1974

■ 10.5300, 15.6938,
5.4918

■ 27.7000, 23.7515,
42.1556

■ 9.7191, 15.3022,
4.2582

■ 30.4504, 25.0277,
48.6849

■ 9.0445, 14.9735,
3.3674

■ 33.4086, 26.3983,
55.8001

■ 8.4970, 14.7035,
2.7846

■ 36.5788, 27.8651,
63.5152

■ 8.0537, 14.4829,
2.4054

■ 39.9654, 29.4301,
71.8438

Harmonies

Analogous

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



17.4837, 18.7116, 16.9303



16.8990, 18.7116, 17.7600



16.5566, 18.7116, 19.3148

Triad

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



16.8990, 18.7116, 17.7600



17.4111, 18.7116, 24.1918



19.0929, 18.7116, 19.5186

Complementary

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



16.8990, 18.7116, 17.7600



16.6693, 16.6261, 20.7439

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.



19.0723, 18.7116, 21.4707



16.8990, 18.7116, 17.7600



18.0894, 18.7116, 24.2551

Square

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



16.8990, 18.7116, 17.7600



16.8471, 18.7116, 23.0644



18.7011, 18.7116, 23.2321



18.7567, 18.7116, 17.9009

Rectangle

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



16.8990, 18.7116, 17.7600



16.5063, 18.7116, 20.5936



18.7011, 18.7116, 23.2321



19.1277, 18.7116, 20.1555

Sweetspot

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



16.8995, 18.7124, 17.7604



31.5564, 33.7762, 35.1481



17.3706, 18.2351, 17.6434



7.1638, 7.6988, 7.9255



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.8995, 18.7124, 17.7604



29.0682, 32.6082, 29.8479



16.4664, 18.4797, 18.1653



4.0757, 4.5143, 4.2810



8.4281, 15.2221, 2.4939



39.3427, 72.1673, 11.8561

Inverse Universe

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



16.6693, 16.6261, 20.7439



28.5696, 28.0901, 36.3091



17.1338, 16.8760, 20.2947



4.0199, 4.0081, 5.0050



6.9670, 3.1644, 19.6289



32.2753, 14.6006, 93.5869

Previews

White Background



This preview shows how the XYZ color 16.8990, 18.7116, 17.7600 looks on a white background.

Color Contrast Check

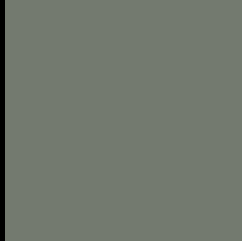
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8990, 18.7116, 17.7600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

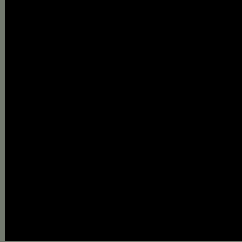
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

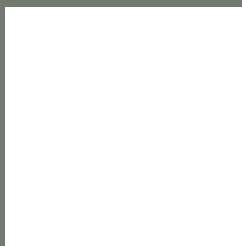
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8990, 18.7116, 17.7600

Background



This preview shows how black text looks on a background with the XYZ color 16.8990, 18.7116, 17.7600.



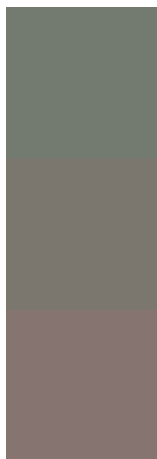
This preview shows how white text looks on a background with the XYZ color 16.8990, 18.7116,

17.7600.

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

16.8990, 18.7116, 17.7600

Protanopia

17.7235, 18.6045, 17.4088

Deuteranopia

19.0015, 18.7290, 17.9428



Tritanopia

18.0305, 18.6302, 23.4146

Trichromacy



Original Color

16.8990, 18.7116, 17.7600

Protanomaly

17.4161, 18.6237, 17.4287

Deuteranomaly

18.1555, 18.6387, 17.9700

Tritanomaly

17.5654, 18.6200, 21.0806

Monochromacy



Original Color

16.8990, 18.7116, 17.7600

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.3401, 18.5454, 19.1887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8990, 18.7116, 17.7600 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(115, 122, 111)` looks like.

```
.text, #text, p{  
    color:rgb(115, 122, 111)  
}
```

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(115, 122, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 122, 111) }
```

Border

The CSS property to change the border of an element to XYZ 16.8990, 18.7116, 17.7600 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(115, 122, 111) }
```


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

```
.border{ border-color:rgb(115, 122, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 122, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 122, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 122, 111);  
box-shadow:4px 4px 4px 4px rgb(115, 122,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8990, 18.7116, 17.7600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 122, 111) }
```

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

```
.background{ background-color: rgb(115,  
122, 111) }
```

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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