

Converting Colors

XYZ(16.7628, 18.7000, 11.9863)

Have a look what the booklet for
XYZ(16.7628, 18.7000, 11.9863)
contains.

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Color

**XYZ(16.7470, 18.7612,
11.9711)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7A58
RGB	122, 122, 88
RGB Percent	48%, 48%, 35%
CMY	0.5216, 0.5216, 0.6549
CMYK	0.00, 0.00, 0.28, 0.52
HSL	60°, 16%, 41%
HSV	60°, 28%, 48%
XYZ	16.7470, 18.7612, 11.9711
YIQ	118.1240, 10.9140, -10.5740

Conversions

Conversions Part 2

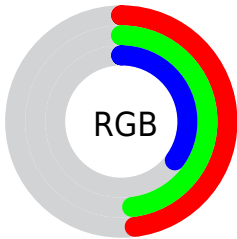
Format	Color
R_{YB}	88, 122, 88
Decimal	8026712
CIE _{Lab}	50.41, -5.93, 18.68
CIE _{LCh}	50, 19.600, 107.602
Yxy	18.7612, 0.3527, 0.3951
Android (android.graphics.Color)	4286216792 (0xFF7A7A58)
YUV	118.1240, -14.8511, 3.3993
Hunter-Lab	43.3142, -6.7846, 13.9335

Details

The XYZ color **16.7470, 18.7612, 11.9711** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.0278, 10.4598, 19.8511**, and the grayscale version is **17.3018, 18.2028, 19.8229**.

A 20% lighter version of the original color is **37.4027, 41.2210, 30.0299**, and **5.5481, 6.3487, 3.1235** is the 20% darker color. If you saturate the color by 10%, you get **16.2834, 18.5764, 9.5286**, and if you desaturate by 10%, it is **17.2962, 18.9815, 14.8600**.

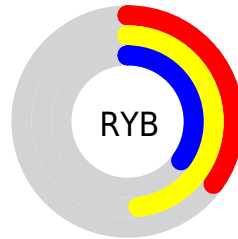
Distribution



Red (48%)

Green (48%)

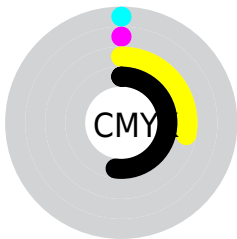
Blue (35%)



Red (35%)

Yellow (48%)

Blue (35%)

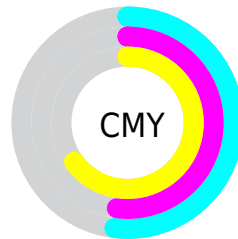


Cyan (0%)

Magenta (0%)

Yellow (28%)

Black (52%)



Cyan (52%)

Magenta (52%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7470, 18.7612, 11.9711 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 16.7470, 18.7612, 11.9711 by changing the saturation by 10% instead.

■ 16.7470, 18.7612,
11.9711

■ 16.7470, 18.7612,
11.9711

226.8949,
245.1273, 215.1850

■ 10.1485, 11.4979,
6.6017

■ 37.4373, 41.3302,
30.1061

■ 5.5605, 6.4027,
3.1396

■ 52.2598, 57.4046,
43.7087

■ 2.6178, 3.0915,
1.1664

■ 70.5544, 77.1849,
60.8929

■ 0.9551, 1.1797,
0.0000

■ 92.6863, 101.0554,
82.0771

■ 0.0000, 0.0450,
0.0000

■ 119.0210,
129.4004, 107.6798

■ 0.0000, 0.0000,
0.0000

149.9237,

162.6045, 138.1197

185.7599,
201.0520, 173.8152

■ 16.7470, 18.7612,
11.9711

■ 16.7470, 18.7612,
11.9711

■ 16.2834, 18.5764,
9.5286

■ 17.2962, 18.9815,
14.8600

■ 15.8997, 18.4229,
7.5091

■ 17.9334, 19.2364,
18.2146

■ 15.5919, 18.2998,
5.8888

■ 18.6628, 19.5282,
22.0547

■ 15.3549, 18.2049,
4.6415

■ 19.4878, 19.8582,
26.3985

■ 15.1830, 18.1362,
3.7373

■ 20.4118, 20.2279,
31.2634

■ 15.0698, 18.0909,
3.1421

■ 21.4379, 20.6383,
36.6658

■ 14.9991, 18.0626,
2.7705

■ 22.5690, 21.0908,
42.6215

■ 14.9848, 18.0569,
2.6955

■ 23.8081, 21.5864,
49.1455

■ 25.1578, 22.1264,
56.2524

Harmonies

Analogous

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



18.6300, 18.7612, 11.7993



16.7470, 18.7612, 11.9711



15.2613, 18.7612, 14.1392

Triad

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



16.7470, 18.7612, 11.9711



15.4743, 18.7612, 29.1956



21.6542, 18.7612, 22.7639

Complementary

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



16.7470, 18.7612, 11.9711



11.0278, 10.4598, 19.8511

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.



20.6762, 18.7612, 28.3492



16.7470, 18.7612, 11.9711



17.0570, 18.7612, 32.4824

Square

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



16.7470, 18.7612, 11.9711



14.5633, 18.7612, 23.7673



18.9628, 18.7612, 32.1476



21.5563, 18.7612, 17.4167

Rectangle

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



16.7470, 18.7612, 11.9711



14.6551, 18.7612, 16.6855



18.9628, 18.7612, 32.1476



21.4376, 18.7612, 24.6915

Sweetspot

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



16.7475, 18.7620, 11.9715



31.5097, 33.8253, 31.8394



13.2778, 11.8220, 10.8148



7.1701, 7.7204, 7.0979



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.



16.7475, 18.7620, 11.9715



28.9609, 32.8057, 18.4215



14.5474, 17.6278, 11.8685



4.3077, 4.6339, 4.2919



15.7758, 19.0099, 2.8378



75.2515, 90.6790, 13.5366

Inverse Universe

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



11.0278, 10.4598, 19.8511



17.2624, 15.8251, 34.5376



12.8288, 11.3882, 19.9354



3.7977, 3.8936, 4.9946



3.6986, 1.4795, 19.4759



17.6424, 7.0570, 92.9021

Previews

White Background



This preview shows how the XYZ color 16.7470, 18.7612, 11.9711 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 16.7470, 18.7612, 11.9711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

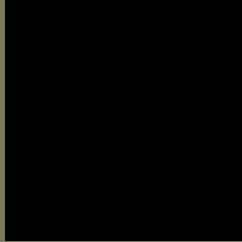
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7470, 18.7612, 11.9711

Background



This preview shows how black text looks on a background with the XYZ color 16.7470, 18.7612, 11.9711.



This preview shows how white text looks on a background with the XYZ color 16.7470, 18.7612,

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

16.7470, 18.7612, 11.9711

Protanopia

17.4900, 18.7882, 11.7215

Deuteranopia

18.9184, 18.6455, 12.0530



Tritanopia

18.8796, 18.7410, 22.3610

Trichromacy



Original Color

16.7470, 18.7612, 11.9711

Protanomaly

17.1619, 18.7985, 11.7408

Deuteranomaly

18.1131, 18.7465, 12.1150

Tritanomaly

17.9789, 18.7235, 17.9956

Monochromacy



Original Color

16.7470, 18.7612, 11.9711

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8584, 18.1771, 16.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7470, 18.7612, 11.9711 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(122, 122, 88)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 88)  
}
```

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(122, 122, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 88) }
```

Border

The CSS property to change the border of an element to XYZ 16.7470, 18.7612, 11.9711 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(122, 122, 88) }
```


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

```
.border{ border-color:rgb(122, 122, 88) }
```

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

Here you see how a box with a 4 pixel rgb(122, 122, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 88);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7470, 18.7612, 11.9711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 88) }
```

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

```
.background{ background-color: rgb(122,  
122, 88) }
```

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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