

Converting Colors

XYZ(16.8733, 16.9598, 11.8577)

Have a look what the booklet for
XYZ(16.8733, 16.9598, 11.8577)
contains.

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Color

**XYZ(16.8477, 16.9154,
11.8282)**

Conversions

Conversions Part 1

Format	Color
Hex	836F59
RGB	131, 111, 89
RGB Percent	51%, 44%, 35%
CMY	0.4863, 0.5647, 0.6510
CMYK	0.00, 0.15, 0.32, 0.49
HSL	31°, 19%, 43%
HSV	31°, 32%, 51%
XYZ	16.8477, 16.9154, 11.8282
YIQ	114.4720, 18.9820, -2.6020

Conversions

Conversions Part 2

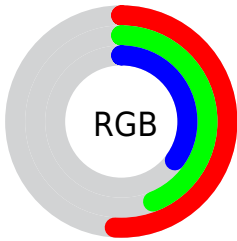
Format	Color
R_{YB}	127, 131, 89
Decimal	8613721
CIE Lab	48.15, 4.35, 15.18
CIE LCh	48, 15.790, 74.022
Yxy	16.9154, 0.3695, 0.3710
Android (android.graphics.Color)	4286803801 (0xFF836F59)
YUV	114.4720, -12.5577, 14.4951
Hunter-Lab	41.1283, 1.1457, 11.7385

Details

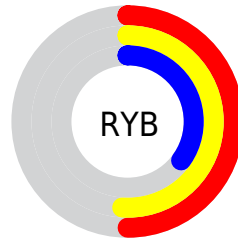
The XYZ color **16.8477, 16.9154, 11.8282** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6851, 14.6995, 23.5889**, and the grayscale version is **16.1691, 17.0111, 18.5251**.

A 20% lighter version of the original color is **37.7650, 38.3728, 29.8424**, and **5.6069, 5.4788, 3.0475** is the 20% darker color. If you saturate the color by 10%, you get **15.6890, 15.4013, 8.9653**, and if you desaturate by 10%, it is **18.1528, 18.5653, 15.2234**.

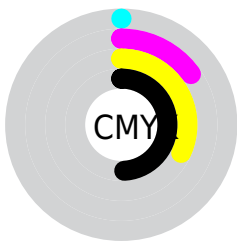
Distribution



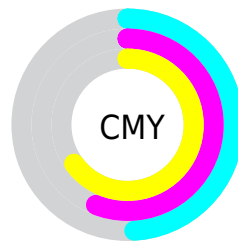
- Red (51%)
- Green (44%)
- Blue (35%)



- Red (50%)
- Yellow (51%)
- Blue (35%)



- Cyan (0%)
- Magenta (15%)
- Yellow (32%)
- Black (49%)



- Cyan (49%)
- Magenta (56%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8477, 16.9154, 11.8282 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 16.8477, 16.9154, 11.8282 by changing the saturation by 10% instead.

■ 16.8477, 16.9154,
11.8282

■ 16.8477, 16.9154,
11.8282

227.4666,
234.6844, 214.2020

■ 10.2206, 10.1742,
6.5057

■ 37.6094, 38.1803,
29.8415

■ 5.6088, 5.5146,
3.0812

■ 52.4747, 53.4727,
43.3694

■ 2.6471, 2.5522,
1.1363

■ 70.8168, 72.3843,
60.4695

■ 0.9700, 0.9027,
0.0000

■ 93.0011, 95.2996,
81.5603

■ 0.0000, 0.0000,
0.0000

■ 119.3928,
122.6028, 107.0605

150.3574,

154.6784, 137.3884

186.2602,
191.9108, 172.9627

■ 16.8477, 16.9154,
11.8282

■ 16.8477, 16.9154,
11.8282

■ 15.6890, 15.4013,
8.9653

■ 18.1528, 18.5653,
15.2234

■ 14.6691, 14.0166,
6.6058

■ 19.6086, 20.3525,
19.1753

■ 13.7818, 12.7579,
4.7200

■ 21.2211, 22.2814,
23.7084

■ 13.0199, 11.6206,
3.2743

■ 22.9952, 24.3553,
28.8451

■ 12.3751, 10.5997,
2.2309

■ 24.9360, 26.5777,
34.6069

■ 11.8379, 9.6897,
1.5451

■ 27.0480, 28.9517,
41.0139

■ 11.4654, 9.0358,
1.1398

■ 29.3356, 31.4805,
48.0857

■ 31.8032, 34.1669,
55.8407

■ 34.4548, 37.0140,
64.2967

Harmonies

Analogous

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



18.1404, 16.9154, 13.4625



16.8477, 16.9154, 11.8282



15.4195, 16.9154, 11.7764

Triad

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



16.8477, 16.9154, 11.8282



13.5508, 16.9154, 20.3959



18.0684, 16.9154, 24.6919

Complementary

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



16.8477, 16.9154, 11.8282



13.6851, 14.6995, 23.5889

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.



16.7541, 16.9154, 27.1793



16.8477, 16.9154, 11.8282



14.1774, 16.9154, 24.4610

Square

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



16.8477, 16.9154, 11.8282



13.5726, 16.9154, 16.3309



15.3313, 16.9154, 27.0891



18.8733, 16.9154, 20.6757

Rectangle

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



16.8477, 16.9154, 11.8282



14.5854, 16.9154, 12.6235



15.3313, 16.9154, 27.0891



17.6683, 16.9154, 25.7594

Sweetspot

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



16.8481, 16.9162, 11.8285



35.6218, 37.0598, 35.7451



15.7091, 13.0809, 16.2499



8.2155, 8.5342, 8.1058



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.8481, 16.9162, 11.8285



28.7287, 28.4183, 17.5869



19.1717, 21.7236, 12.6340



4.8594, 5.0624, 4.9504



11.2885, 8.8997, 1.1228



0.0464, 0.0455, 0.0063

Inverse Universe

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



13.6851, 14.6995, 23.5889



22.1944, 23.8398, 41.8849



11.8566, 10.9423, 22.9601



4.6038, 4.8832, 5.9007



5.7510, 5.0497, 21.8083



0.0271, 0.0319, 0.0780

Previews

White Background



This preview shows how the XYZ color 16.8477, 16.9154, 11.8282 looks on a white background.

Color Contrast Check

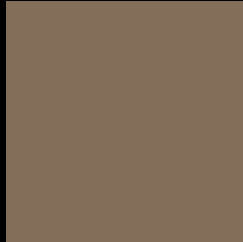
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.8477, 16.9154, 11.8282 looks on a black 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

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

XYZ 16.8477, 16.9154, 11.8282

Background



This preview shows how black text looks on a background with the XYZ color 16.8477, 16.9154, 11.8282.

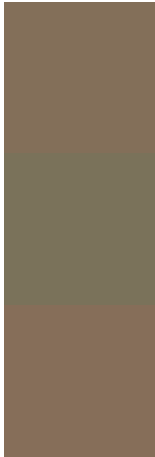


This preview shows how white text looks on a background with the XYZ color 16.8477, 16.9154,

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

16.8477, 16.9154, 11.8282

Protanopia

15.8888, 16.9104, 12.0995

Deuteranopia

17.2106, 16.9415, 11.8141



Tritanopia

18.2416, 16.8447, 18.8129

Trichromacy



Original Color

16.8477, 16.9154, 11.8282

Protanomaly

16.2080, 16.9084, 12.0823

Deuteranomaly

17.0520, 16.8597, 11.8067

Tritanomaly

17.6369, 16.7523, 15.9396

Monochromacy



Original Color

16.8477, 16.9154, 11.8282

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.2007, 16.8232, 15.7579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8477, 16.9154, 11.8282 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(131, 111, 89)` looks like.

```
.text, #text, p{  
    color:rgb(131, 111, 89)  
}
```

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(131, 111, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 111, 89) }
```

Border

The CSS property to change the border of an element to XYZ 16.8477, 16.9154, 11.8282 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(131, 111, 89) }
```


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

```
.border{ border-color:rgb(131, 111, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 111, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 111, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 111, 89);  
box-shadow:4px 4px 4px 4px rgb(131, 111,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8477, 16.9154, 11.8282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 111, 89) }
```

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

```
.background{ background-color: rgb(131,  
111, 89) }
```

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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