

Converting Colors

XYZ(16.4233, 16.8417, 11.8911)

Have a look what the booklet for
XYZ(16.4233, 16.8417, 11.8911)
contains.

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Color

**XYZ(16.3497, 16.8216,
11.8364)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7059
RGB	127, 112, 89
RGB Percent	50%, 44%, 35%
CMY	0.5020, 0.5608, 0.6510
CMYK	0.00, 0.12, 0.30, 0.50
HSL	36°, 18%, 42%
HSV	36°, 30%, 50%
XYZ	16.3497, 16.8216, 11.8364
YIQ	113.8630, 16.3230, -3.9730

Conversions

Conversions Part 2

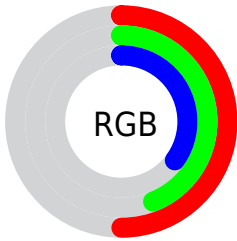
Format	Color
R_{YB}	114, 127, 89
Decimal	8351833
CIE _{Lab}	48.03, 2.06, 14.95
CIE _{LCh}	48, 15.094, 82.143
Yxy	16.8216, 0.3633, 0.3737
Android (android.graphics.Color)	4286541913 (0xFF7F7059)
YUV	113.8630, -12.2575, 11.5211
Hunter-Lab	41.0141, -0.6183, 11.5992

Details

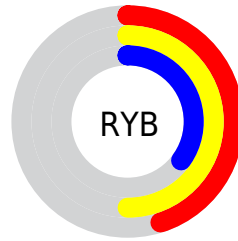
The XYZ color **16.3497, 16.8216, 11.8364** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9008, 13.5564, 22.0153**, and the grayscale version is **15.9856, 16.8181, 18.3149**.

A 20% lighter version of the original color is **36.7581, 38.1183, 29.8463**, and **5.3300, 5.4190, 3.0505** is the 20% darker color. If you saturate the color by 10%, you get **15.3242, 15.5515, 9.0866**, and if you desaturate by 10%, it is **17.4990, 18.1916, 15.0818**.

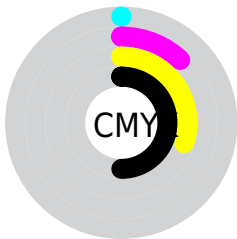
Distribution



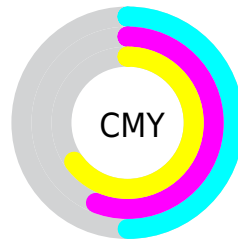
- Red (50%)
- Green (44%)
- Blue (35%)



- Red (45%)
- Yellow (50%)
- Blue (35%)



- Cyan (0%)
- Magenta (12%)
- Yellow (30%)
- Black (50%)



- Cyan (50%)
- Magenta (56%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3497, 16.8216, 11.8364 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 16.3497, 16.8216, 11.8364 by changing the saturation by 10% instead.

■ 16.3497, 16.8216,
11.8364

■ 16.3497, 16.8216,
11.8364

224.6265,
234.1422, 214.2585

■ 9.8644, 10.1074,
6.5112

■ 36.7568, 38.0188,
29.8567

■ 5.3707, 5.4702,
3.0846

■ 51.4093, 53.2705,
43.3889

■ 2.5033, 2.5257,
1.1380

■ 69.5149, 72.1369,
60.4938

■ 0.8969, 0.8895,
0.0000

■ 91.4389, 95.0024,
81.5900

■ 0.0000, 0.0000,
0.0000

■ 117.5467,
122.2512, 107.0961

148.2037,

154.2679, 137.4305

183.7752,
191.4367, 173.0118

■ 16.3497, 16.8216,
11.8364

■ 16.3497, 16.8216,
11.8364

■ 15.3242, 15.5515,
9.0866

■ 17.4990, 18.1916,
15.0818

■ 14.4158, 14.3762,
6.8063

■ 18.7755, 19.6619,
18.8451

■ 13.6194, 13.2934,
4.9686

■ 20.1843, 21.2360,
23.1484

■ 12.9287, 12.2997,
3.5434

■ 21.7297, 22.9163,
28.0121

■ 12.3368, 11.3914,
2.4969

■ 23.4158, 24.7051,
33.4558

■ 11.8358, 10.5646,
1.7894

■ 25.2466, 26.6047,
39.4980

■ 11.4011, 9.8085,
1.2952

■ 27.2259, 28.6174,
46.1562

■ 11.3977, 9.8027,
1.2914

■ 29.3571, 30.7453,
53.4475

■ 31.6439, 32.9904,
61.3882

Harmonies

Analogous

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



17.6528, 16.8216, 13.0017



16.3497, 16.8216, 11.8364



15.0200, 16.8216, 12.2015

Triad

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



16.3497, 16.8216, 11.8364



13.6798, 16.8216, 21.2958



18.1502, 16.8216, 23.3238

Complementary

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



16.3497, 16.8216, 11.8364



12.9008, 13.5564, 22.0153

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.



16.9976, 16.8216, 26.1925



16.3497, 16.8216, 11.8364



14.4321, 16.8216, 24.9105

Square

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



16.3497, 16.8216, 11.8364



13.5282, 16.8216, 17.3080



15.6325, 16.8216, 26.8111



18.7302, 16.8216, 19.3621

Rectangle

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



16.3497, 16.8216, 11.8364



14.2922, 16.8216, 13.2912



15.6325, 16.8216, 26.8111



17.8139, 16.8216, 24.4698

Sweetspot

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



16.3501, 16.8224, 11.8367



33.7928, 35.4029, 34.2593



14.8338, 12.6605, 14.8121



7.8411, 8.2086, 7.8087



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.



16.3501, 16.8224, 11.8367



27.9821, 28.5280, 17.6891



17.5896, 20.1257, 12.4090



4.5273, 4.7433, 4.5971



11.4936, 9.8836, 1.3019



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9008, 13.5564, 22.0153



20.7468, 21.6799, 39.0474



11.8973, 10.9940, 21.5736



4.2373, 4.4686, 5.4525



5.0177, 3.8540, 20.7294



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.3497, 16.8216, 11.8364 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 16.3497, 16.8216, 11.8364 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 16.3497, 16.8216, 11.8364

Background



This preview shows how black text looks on a background with the XYZ color 16.3497, 16.8216, 11.8364.



This preview shows how white text looks on a background with the XYZ color 16.3497, 16.8216,

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

16.3497, 16.8216, 11.8364

Protanopia

15.7479, 16.8378, 12.0929

Deuteranopia

17.0520, 16.8597, 11.8067



Tritanopia

17.7794, 16.7553, 19.1266

Trichromacy



Original Color

16.3497, 16.8216, 11.8364

Protanomaly

15.9190, 16.7594, 12.0687

Deuteranomaly

16.8477, 16.9154, 11.8282

Tritanomaly

17.1757, 16.6659, 16.2215

Monochromacy



Original Color

16.3497, 16.8216, 11.8364

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0627, 16.7521, 15.7515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3497, 16.8216, 11.8364 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(127, 112, 89)` looks like.

```
.text, #text, p{  
    color:rgb(127, 112, 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(127, 112, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 112, 89) }
```

Border

The CSS property to change the border of an element to XYZ 16.3497, 16.8216, 11.8364 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(127, 112, 89) }
```


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

```
.border{ border-color:rgb(127, 112, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 112, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 112, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 112, 89);  
box-shadow:4px 4px 4px 4px rgb(127, 112,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3497, 16.8216, 11.8364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 112, 89) }
```

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

```
.background{ background-color: rgb(127,  
112, 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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