

Converting Colors

XYZ(16.5191, 16.8376, 11.7669)

Have a look what the booklet for
XYZ(16.5191, 16.8376, 11.7669)
contains.

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Color

**XYZ(16.6506, 16.9767,
11.8504)**

Conversions

Conversions Part 1

Format	Color
Hex	817059
RGB	129, 112, 89
RGB Percent	51%, 44%, 35%
CMY	0.4941, 0.5608, 0.6510
CMYK	0.00, 0.13, 0.31, 0.49
HSL	35°, 18%, 43%
HSV	35°, 31%, 51%
XYZ	16.6506, 16.9767, 11.8504
YIQ	114.4610, 17.5150, -3.5490

Conversions

Conversions Part 2

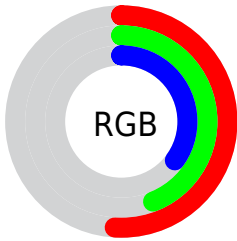
Format	Color
R_{YB}	119, 129, 89
Decimal	8482905
CIE _{Lab}	48.23, 2.91, 15.25
CIE _{LCh}	48, 15.529, 79.187
Yxy	16.9767, 0.3661, 0.3733
Android (android.graphics.Color)	4286672985 (0xFF817059)
YUV	114.4610, -12.5523, 12.7507
Hunter-Lab	41.2028, 0.0294, 11.7895

Details

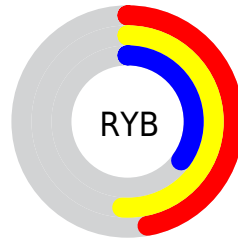
The XYZ color **16.6506, 16.9767, 11.8504** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2362, 14.0165, 22.7768**, and the grayscale version is **16.1661, 17.0080, 18.5217**.

A 20% lighter version of the original color is **37.2271, 38.3601, 29.8683**, and **5.4939, 5.5035, 3.0582** is the 20% darker color. If you saturate the color by 10%, you get **15.5693, 15.6062, 9.0476**, and if you desaturate by 10%, it is **17.8646, 18.4604, 15.1662**.

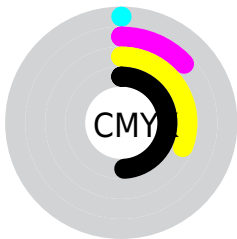
Distribution



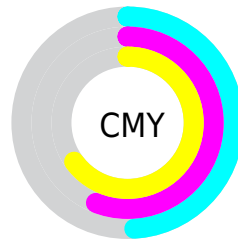
- Red (51%)
- Green (44%)
- Blue (35%)



- Red (47%)
- Yellow (51%)
- Blue (35%)



- Cyan (0%)
- Magenta (13%)
- Yellow (31%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6506, 16.9767, 11.8504 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 16.6506, 16.9767, 11.8504 by changing the saturation by 10% instead.

■ 16.6506, 16.9767,
11.8504

■ 16.6506, 16.9767,
11.8504

226.3465,
235.0381, 214.3550

■ 10.0794, 10.2179,
6.5206

■ 37.2724, 38.2857,
29.8827

■ 5.5143, 5.5437,
3.0903

■ 52.0539, 53.6047,
43.4222

■ 2.5899, 2.5696,
1.1409

■ 70.3027, 72.5458,
60.5354

■ 0.9408, 0.9114,
0.0000

■ 92.3844, 95.4936,
81.6407

■ 0.0000, 0.0000,
0.0000

■ 118.6643,
122.8323, 107.1569

149.5077,

154.9463, 137.5022

185.2800,
192.2201, 173.0955

■ 16.6506, 16.9767,
11.8504

■ 16.6506, 16.9767,
11.8504

■ 15.5693, 15.6062,
9.0476

■ 17.8646, 18.4604,
15.1662

■ 14.6137, 14.3434,
6.7304

■ 19.2152, 20.0580,
19.0185

■ 13.7782, 13.1854,
4.8706

■ 20.7077, 21.7733,
23.4303

■ 13.0562, 12.1285,
3.4363

■ 22.3468, 23.6092,
28.4231

■ 12.4401, 11.1686,
2.3918

■ 24.1369, 25.5683,
34.0174

■ 11.9214, 10.3010,
1.6951

■ 26.0822, 27.6532,
40.2325

■ 11.5144, 9.5893,
1.2440

■ 28.1867, 29.8665,
47.0869

■ 30.4544, 32.2106,
54.5982

■ 32.8890, 34.6879,
62.7836

Harmonies

Analogous

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



17.9763, 16.9767, 13.2019



16.6506, 16.9767, 11.8504



15.2598, 16.9767, 12.0703

Triad

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



16.6506, 16.9767, 11.8504



13.7049, 16.9767, 21.1600



18.2793, 16.9767, 24.0472

Complementary

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



16.6506, 16.9767, 11.8504



13.2362, 14.0165, 22.7768

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.



17.0448, 16.9767, 26.8445



16.6506, 16.9767, 11.8504



14.4255, 16.9767, 25.0168

Square

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



16.6506, 16.9767, 11.8504



13.6131, 16.9767, 17.0640



15.6318, 16.9767, 27.2232



18.9525, 16.9767, 19.9823

Rectangle

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



16.6506, 16.9767, 11.8504



14.4803, 16.9767, 13.0889



15.6318, 16.9767, 27.2232



17.9130, 16.9767, 25.1907

Sweetspot

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



16.6510, 16.9775, 11.8508



34.8711, 36.4554, 35.4020



15.2447, 12.8596, 15.4056



7.8205, 8.1674, 7.8018



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.



16.6510, 16.9775, 11.8508



28.4645, 28.6971, 17.6824



18.3070, 20.8829, 12.5173



4.5170, 4.7227, 4.5936



11.2307, 9.3579, 1.2143



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2362, 14.0165, 22.7768



21.3611, 22.5401, 40.4173



11.9154, 10.9881, 22.2619



4.2474, 4.4888, 5.4558



5.1910, 4.2004, 20.7871



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6506, 16.9767, 11.8504 looks on a white background.

Color Contrast Check

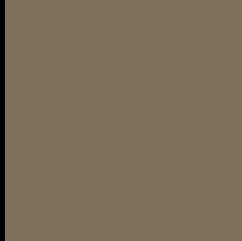
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6506, 16.9767, 11.8504 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

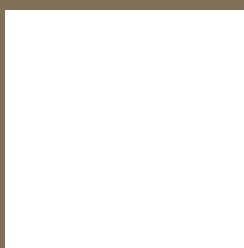
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6506, 16.9767, 11.8504

Background



This preview shows how black text looks on a background with the XYZ color 16.6506, 16.9767, 11.8504.



This preview shows how white text looks on a background with the XYZ color 16.6506, 16.9767,

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

16.6506, 16.9767, 11.8504

Protanopia

15.8888, 16.9104, 12.0995

Deuteranopia

17.2106, 16.9415, 11.8141



Tritanopia

18.0892, 16.9150, 19.1411

Trichromacy



Original Color

16.6506, 16.9767, 11.8504

Protanomaly

16.2080, 16.9084, 12.0823

Deuteranomaly

17.0033, 16.9957, 11.8355

Tritanomaly

17.4826, 16.8241, 16.2359

Monochromacy



Original Color

16.6506, 16.9767, 11.8504

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 16.6506, 16.9767, 11.8504 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(129, 112, 89)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 112, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 112, 89) }
```

Border

The CSS property to change the border of an element to XYZ 16.6506, 16.9767, 11.8504 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(129, 112, 89) }
```


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

```
.border{ border-color:rgb(129, 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(129, 112, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 112, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 112, 89);  
box-shadow:4px 4px 4px 4px rgb(129, 112,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6506, 16.9767, 11.8504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 112, 89) }
```

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

```
.background{ background-color: rgb(129,  
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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