

Converting Colors

XYZ(17.9504, 18.4187, 16.1403)

Have a look what the booklet for
XYZ(17.9504, 18.4187, 16.1403)
contains.

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Color

**XYZ(18.0161, 18.4303,
16.2435)**

Conversions

Conversions Part 1

Format	Color
Hex	81756A
RGB	129, 117, 106
RGB Percent	51%, 46%, 42%
CMY	0.4941, 0.5412, 0.5843
CMYK	0.00, 0.09, 0.18, 0.49
HSL	29°, 10%, 46%
HSV	29°, 18%, 51%
XYZ	18.0161, 18.4303, 16.2435
YIQ	119.3340, 10.6830, -0.8770

Conversions

Conversions Part 2

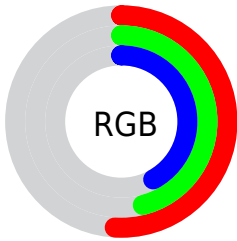
Format	Color
R_{YB}	129, 127, 106
Decimal	8484202
CIE _{Lab}	50.01, 2.67, 7.74
CIE _{LCh}	50, 8.193, 70.947
Yxy	18.4303, 0.3419, 0.3498
Android (android.graphics.Color)	4286674282 (0xFF81756A)
YUV	119.3340, -6.5737, 8.4771
Hunter-Lab	42.9305, -0.2196, 7.6180

Details

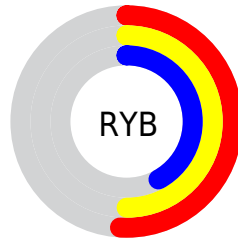
The XYZ color **18.0161, 18.4303, 16.2435** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3847, 17.6057, 23.3038**, and the grayscale version is **17.6587, 18.5783, 20.2318**.

A 20% lighter version of the original color is **39.5652, 40.7553, 37.6795**, and **6.2258, 6.2775, 5.0212** is the 20% darker color. If you saturate the color by 10%, you get **16.6392, 16.6704, 12.7201**, and if you desaturate by 10%, it is **19.5514, 20.3450, 20.3181**.

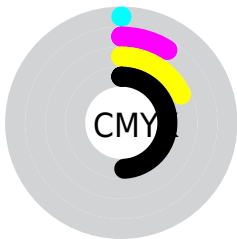
Distribution



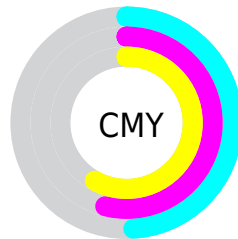
- Red (51%)
- Green (46%)
- Blue (42%)



- Red (51%)
- Yellow (50%)
- Blue (42%)



- Cyan (0%)
- Magenta (9%)
- Yellow (18%)
- Black (49%)



- Cyan (49%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0161, 18.4303, 16.2435 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 18.0161, 18.4303, 16.2435 by changing the saturation by 10% instead.

■ 18.0161, 18.4303,
16.2435

■ 18.0161, 18.4303,
16.2435

234.0056,
243.2854, 242.6689

■ 11.0613, 11.2594,
9.5404

■ 39.5946, 40.7692,
37.7931

■ 6.1757, 6.2416,
4.9937

■ 54.9491, 56.7059,
53.4766

■ 2.9939, 2.9925,
2.1849

■ 73.8341, 76.3334,
72.9908

■ 1.1505, 1.1278,
0.6656

■ 96.6151, 100.0360,
96.7540

■ 0.0668, 0.0015,
0.0000

123.6574,
128.1981, 125.1849

■ 0.0000, 0.0000,
0.0000

155.3263,

161.2041, 158.7020

191.9873,
199.4384, 197.7238

■ 18.0161, 18.4303,
16.2435

■ 18.0161, 18.4303,
16.2435

■ 16.6392, 16.6704,
12.7201

■ 19.5514, 20.3450,
20.3181

■ 15.4134, 15.0586,
9.7226

■ 21.2488, 22.4160,
24.9653

■ 14.3332, 13.5914,
7.2256

■ 23.1140, 24.6479,
30.2067

■ 13.3921, 12.2642,
5.2009

■ 25.1518, 27.0443,
36.0625

■ 12.5831, 11.0721,
3.6178

■ 27.3668, 29.6089,
42.5520

■ 11.8982, 10.0098,
2.4416

■ 29.7635, 32.3449,
49.6936

■ 11.3285, 9.0714,
1.6324

■ 32.3462, 35.2558,
57.5048

■ 10.8556, 8.2472,
1.1001

■ 35.1190, 38.3447,
66.0028

■ 10.7602, 8.0809,
0.9926

■ 38.0859, 41.6148,
75.2038

Harmonies

Analogous

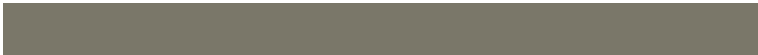
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.6855, 18.4303, 17.3592



18.0161, 18.4303, 16.2435



17.2317, 18.4303, 16.1062

Triad

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



18.0161, 18.4303, 16.2435



16.0733, 18.4303, 20.9017



18.5280, 18.4303, 23.5221

Complementary

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



18.0161, 18.4303, 16.2435



16.3847, 17.6057, 23.3038

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.



17.8064, 18.4303, 24.6302



18.0161, 18.4303, 16.2435



16.3991, 18.4303, 23.0437

Square

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



18.0161, 18.4303, 16.2435



16.1257, 18.4303, 18.6857



17.0281, 18.4303, 24.4489



18.9871, 18.4303, 21.5157

Rectangle

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



18.0161, 18.4303, 16.2435



16.7507, 18.4303, 16.5753



17.0281, 18.4303, 24.4489



18.3072, 18.4303, 24.0185

Sweetspot

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



18.0166, 18.4311, 16.2439



35.8069, 37.4107, 38.5387



17.4934, 16.2898, 19.4452



8.0655, 8.4196, 8.6165



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.



18.0166, 18.4311, 16.2439



31.3277, 31.8193, 26.6653



19.4047, 21.2073, 16.7066



4.4842, 4.6572, 4.5827



10.4953, 7.8870, 0.9692



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.3847, 17.6057, 23.3038



27.8920, 30.0814, 41.5287



15.1399, 15.1162, 22.8889



4.2799, 4.5538, 5.4667



5.8415, 5.5015, 21.0040



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.0161, 18.4303, 16.2435 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 18.0161, 18.4303, 16.2435 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 18.0161, 18.4303, 16.2435

Background



This preview shows how black text looks on a background with the XYZ color 18.0161, 18.4303, 16.2435.



This preview shows how white text looks on a background with the XYZ color 18.0161, 18.4303,

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

18.0161, 18.4303, 16.2435

Protanopia

17.5628, 18.5403, 16.5629

Deuteranopia

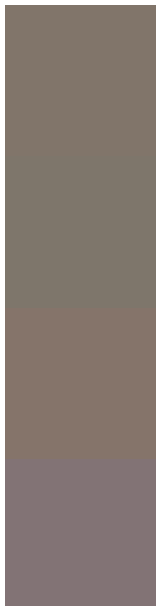
18.7239, 18.4530, 16.2106



Tritanopia

18.9525, 18.2900, 21.2703

Trichromacy



Original Color

18.0161, 18.4303, 16.2435

Protanomaly

17.7365, 18.4540, 16.5371

Deuteranomaly

18.5198, 18.5179, 16.2339

Tritanomaly

18.5475, 18.2916, 19.3827

Monochromacy



Original Color

18.0161, 18.4303, 16.2435

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6841, 18.3827, 18.5358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0161, 18.4303, 16.2435 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, 117, 106)` looks like.

```
.text, #text, p{  
    color:rgb(129, 117, 106)  
}
```

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, 117, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 117, 106) }
```

Border

The CSS property to change the border of an element to XYZ 18.0161, 18.4303, 16.2435 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, 117, 106) }
```


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

```
.border{ border-color:rgb(129, 117, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 117, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 117, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 117, 106);  
box-shadow:4px 4px 4px 4px rgb(129, 117,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0161, 18.4303, 16.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 117, 106) }
```

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

```
.background{ background-color: rgb(129,  
117, 106) }
```

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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