

Converting Colors

XYZ(17.3302, 17.4089, 16.0349)

Have a look what the booklet for
XYZ(17.3302, 17.4089, 16.0349)
contains.

XYZ(17.4087, 17.4401, 16.0844)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.4087, 17.4401,
16.0844)**

Conversions

Conversions Part 1

Format	Color
Hex	80716A
RGB	128, 113, 106
RGB Percent	50%, 44%, 42%
CMY	0.4980, 0.5568, 0.5843
CMYK	0.00, 0.12, 0.17, 0.50
HSL	19°, 9%, 46%
HSV	19°, 17%, 50%
XYZ	17.4087, 17.4401, 16.0844
YIQ	116.6870, 11.1870, 1.0030

Conversions

Conversions Part 2

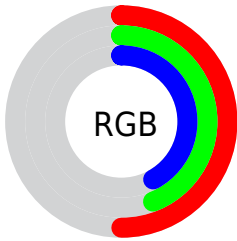
Format	Color
R_{YB}	128, 116, 106
Decimal	8417642
CIE Lab	48.81, 4.60, 6.02
CIE LCh	49, 7.573, 52.598
Yxy	17.4401, 0.3418, 0.3424
Android (android.graphics.Color)	4286607722 (0xFF80716A)
YUV	116.6870, -5.2687, 9.9215
Hunter-Lab	41.7613, 1.3274, 6.3974

Details

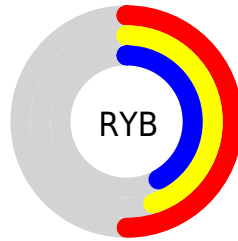
The XYZ color **17.4087, 17.4401, 16.0844** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6773, 18.2968, 23.0747**, and the grayscale version is **16.8255, 17.7017, 19.2772**.

A 20% lighter version of the original color is **38.5970, 39.1683, 37.4243**, and **5.9042, 5.7586, 4.9380** is the 20% darker color. If you saturate the color by 10%, you get **15.8651, 15.3398, 12.5273**, and if you desaturate by 10%, it is **19.1462, 19.7690, 20.1968**.

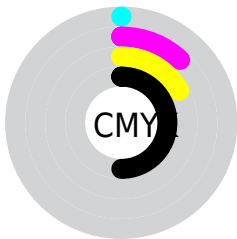
Distribution



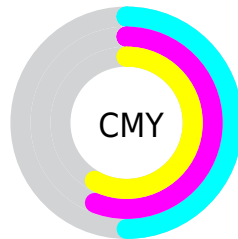
- Red (50%)
- Green (44%)
- Blue (42%)



- Red (50%)
- Yellow (45%)
- Blue (42%)



- Cyan (0%)
- Magenta (12%)
- Yellow (17%)
- Black (50%)



- Cyan (50%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4087, 17.4401, 16.0844 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 17.4087, 17.4401, 16.0844 by changing the saturation by 10% instead.

■ 17.4087, 17.4401,
16.0844

■ 17.4087, 17.4401,
16.0844

230.6273,
237.6959, 241.7019

■ 10.6234, 10.5488,
9.4289

■ 38.5652, 39.0809,
37.5135

■ 5.8796, 5.7643,
4.9214

■ 53.6671, 54.5992,
53.1242

■ 2.8120, 2.7023,
2.1433

■ 72.2719, 73.7619,
72.5570

■ 1.0551, 0.9784,
0.6413

■ 94.7450, 96.9535,
96.2304

■ 0.0000, 0.0000,
0.0000

121.4518,
124.5583, 124.5631

152.7575,

156.9607, 157.9736

189.0276,
194.5451, 196.8803

■ 17.4087, 17.4401,
16.0844

■ 17.4087, 17.4401,
16.0844

■ 15.8651, 15.3398,
12.5273

■ 19.1462, 19.7690,
20.1968

■ 14.5071, 13.4587,
9.5005

■ 21.0829, 22.3307,
24.8859

■ 13.3275, 11.7901,
6.9785

■ 23.2255, 25.1325,
30.1734

■ 12.3185, 10.3264,
4.9334

■ 25.5801, 28.1806,
36.0794

■ 11.4714, 9.0590,
3.3345

■ 28.1525, 31.4808,
42.6232

■ 10.7765, 7.9792,
2.1476

■ 30.9481, 35.0389,
49.8232

■ 10.2233, 7.0771,
1.3333

■ 33.9724, 38.8604,
57.6969

■ 9.7930, 6.3394,
0.8109

■ 37.2304, 42.9506,
66.2614

■ 9.6862, 6.1575,
0.6780

■ 40.7273, 47.3149,
75.5331

Harmonies

Analogous

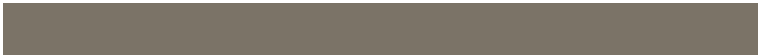
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.8523, 17.4401, 17.5440



17.4087, 17.4401, 16.0844



16.7506, 17.4401, 15.4121

Triad

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



17.4087, 17.4401, 16.0844



15.2750, 17.4401, 18.4962



17.0997, 17.4401, 22.7815

Complementary

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



17.4087, 17.4401, 16.0844



16.6773, 18.2968, 23.0747

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.



16.4032, 17.4401, 23.0811



17.4087, 17.4401, 16.0844



15.3626, 17.4401, 20.5119

Square

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



17.4087, 17.4401, 16.0844



15.5283, 17.4401, 16.7394



15.7709, 17.4401, 22.2245



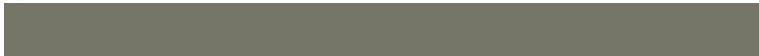
17.6705, 17.4401, 21.4323

Rectangle

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



17.4087, 17.4401, 16.0844



16.2840, 17.4401, 15.4651



15.7709, 17.4401, 22.2245



16.8721, 17.4401, 23.0120

Sweetspot

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



17.4092, 17.4409, 16.0848



34.3872, 35.7067, 37.1854



17.5095, 16.2787, 20.3192



8.0054, 8.2993, 8.5964



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.



17.4092, 17.4409, 16.0848



29.4427, 29.0698, 25.5115



18.7071, 20.0368, 16.5174



4.4309, 4.5504, 4.5649



9.6057, 6.1079, 0.6727



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.6773, 18.2968, 23.0747



27.8777, 30.8977, 40.4508



15.4198, 15.7819, 22.6556



4.3346, 4.6632, 5.4849



7.2647, 8.3479, 21.4784



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.4087, 17.4401, 16.0844 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 17.4087, 17.4401, 16.0844 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 17.4087, 17.4401, 16.0844

Background



This preview shows how black text looks on a background with the XYZ color 17.4087, 17.4401, 16.0844.

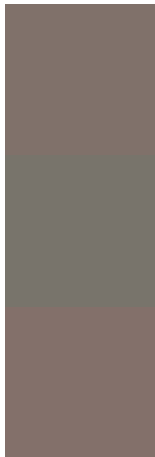


This preview shows how white text looks on a background with the XYZ color 17.4087, 17.4401,

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

17.4087, 17.4401, 16.0844

Protanopia

16.6450, 17.5454, 16.4192

Deuteranopia

17.7558, 17.4542, 16.0688



Tritanopia

18.2805, 17.4708, 20.1780

Trichromacy



Original Color

17.4087, 17.4401, 16.0844

Protanomaly

16.9530, 17.5340, 16.4008

Deuteranomaly

17.6016, 17.3748, 16.0616

Tritanomaly

17.9419, 17.4933, 18.6506

Monochromacy



Original Color

17.4087, 17.4401, 16.0844

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.1112, 17.7480, 18.1466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4087, 17.4401, 16.0844 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(128, 113, 106)` looks like.

```
.text, #text, p{  
    color:rgb(128, 113, 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(128, 113, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 113, 106) }
```

Border

The CSS property to change the border of an element to XYZ 17.4087, 17.4401, 16.0844 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(128, 113, 106) }
```


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

```
.border{ border-color:rgb(128, 113, 106) }
```

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

Here you see how a box with a 4 pixel rgb(128, 113, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 113, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 113, 106);  
box-shadow:4px 4px 4px 4px rgb(128, 113,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4087, 17.4401, 16.0844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 113, 106) }
```

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

```
.background{ background-color: rgb(128,  
113, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor