

Converting Colors

XYZ(18.0873, 18.6288, 16.8298)

Have a look what the booklet for
XYZ(18.0873, 18.6288, 16.8298)
contains.

XYZ(18.0873, 18.6288, 16.8298)	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(18.0873, 18.6288,
16.8298)**

Conversions

Conversions Part 1

Format	Color
Hex	80766C
RGB	128, 118, 108
RGB Percent	50%, 46%, 42%
CMY	0.4980, 0.5372, 0.5765
CMYK	0.00, 0.08, 0.16, 0.50
HSL	30°, 8%, 46%
HSV	30°, 16%, 50%
XYZ	18.0873, 18.6288, 16.8298
YIQ	119.8500, 9.1700, -0.9900

Conversions

Conversions Part 2

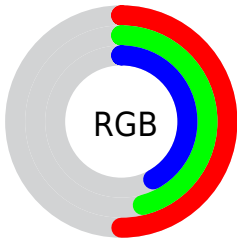
Format	Color
R_{YB}	128, 128, 108
Decimal	8418924
CIE Lab	50.25, 2.03, 6.89
CIE LCh	50, 7.185, 73.549
Yxy	18.6288, 0.3378, 0.3479
Android (android.graphics.Color)	4286609004 (0xFF80766C)
YUV	119.8500, -5.8420, 7.1476
Hunter-Lab	43.1611, -0.7288, 7.0938

Details

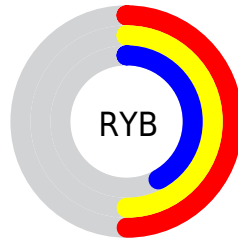
The XYZ color **18.0873, 18.6288, 16.8298** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5590, 17.7031, 22.9665**, and the grayscale version is **17.8211, 18.7492, 20.4179**.

A 20% lighter version of the original color is **39.6888, 41.0764, 38.6376**, and **6.2569, 6.3795, 5.3165** is the 20% darker color. If you saturate the color by 10%, you get **16.7275, 16.9205, 13.2588**, and if you desaturate by 10%, it is **19.5992, 20.4810, 20.9455**.

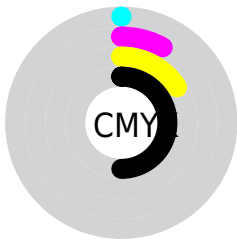
Distribution



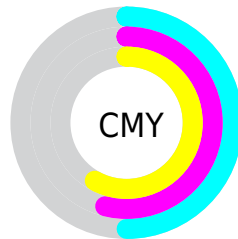
- Red (50%)
- Green (46%)
- Blue (42%)



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



- Cyan (0%)
- Magenta (8%)
- Yellow (16%)
- Black (50%)



- Cyan (50%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0873, 18.6288, 16.8298 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 18.0873, 18.6288, 16.8298 by changing the saturation by 10% instead.

■ 18.0873, 18.6288,
16.8298

■ 18.0873, 18.6288,
16.8298

234.3987,
244.3918, 246.2003

■ 11.1128, 11.4024,
9.9525

■ 39.7149, 41.1059,
38.8195

■ 6.2106, 6.3382,
5.2623

■ 55.0987, 57.1254,
54.7691

■ 3.0154, 3.0518,
2.3406

■ 74.0163, 76.8446,
74.5799

■ 1.1619, 1.1588,
0.7538

■ 96.8331, 100.6481,
98.6703

■ 0.0760, 0.0277,
0.0000

123.9144,
128.9202, 127.4591

■ 0.0000, 0.0000,
0.0000

155.6255,

162.0452, 161.3646

192.3318,
200.4076, 200.8055

■ 18.0873, 18.6288,
16.8298

■ 18.0873, 18.6288,
16.8298

■ 16.7275, 16.9205,
13.2588

■ 19.5992, 20.4810,
20.9455

■ 15.5131, 15.3499,
10.2081

■ 21.2669, 22.4783,
25.6265

■ 14.4388, 13.9139,
7.6532

■ 23.0956, 24.6248,
30.8938

■ 13.4985, 12.6082,
5.5671

■ 25.0899, 26.9239,
36.7670

■ 12.6855, 11.4286,
3.9203

■ 27.2542, 29.3788,
43.2646

■ 11.9926, 10.3701,
2.6798

■ 29.5926, 31.9927,
50.4045

■ 11.4114, 9.4277,
1.8079

■ 32.1094, 34.7684,
58.2039

■ 10.9291, 8.5941,
1.2436

■ 34.8083, 37.7089,
66.6792

■ 10.7365, 8.2580,
1.0281

■ 37.6932, 40.8171,
75.8463

Harmonies

Analogous

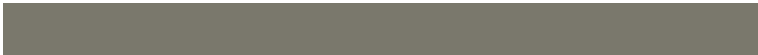
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.6925, 18.6288, 17.7592



18.0873, 18.6288, 16.8298



17.3949, 18.6288, 16.7855

Triad

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



18.0873, 18.6288, 16.8298



16.4384, 18.6288, 21.1935



18.6429, 18.6288, 23.1861

Complementary

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



18.0873, 18.6288, 16.8298



16.5590, 17.7031, 22.9665

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.



18.0211, 18.6288, 24.2367



18.0873, 18.6288, 16.8298



16.7550, 18.6288, 23.0365

Square

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



18.0873, 18.6288, 16.8298



16.4551, 18.6288, 19.2188



17.3303, 18.6288, 24.1803



19.0190, 18.6288, 21.3870

Rectangle

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



18.0873, 18.6288, 16.8298



16.9778, 18.6288, 17.2580



17.3303, 18.6288, 24.1803



18.4550, 18.6288, 23.6436

Sweetspot

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



18.0878, 18.6296, 16.8302



34.6502, 36.2327, 37.2731



17.5349, 16.6226, 19.4240



8.0737, 8.4361, 8.6192



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.



18.0878, 18.6296, 16.8302



30.9022, 31.6237, 27.1238



19.3282, 21.1104, 17.2437



4.4916, 4.6719, 4.5852



10.6474, 8.1911, 1.0199



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.5590, 17.7031, 22.9665



27.6389, 29.6460, 40.2218



15.4434, 15.4721, 22.5946



4.2726, 4.5391, 5.4642



5.6818, 5.1821, 20.9507



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.0873, 18.6288, 16.8298 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 18.0873, 18.6288, 16.8298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

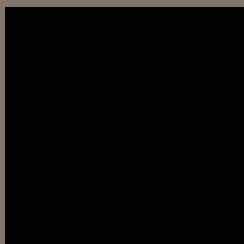
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

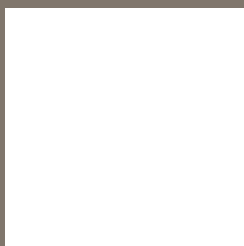
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0873, 18.6288, 16.8298

Background



This preview shows how black text looks on a background with the XYZ color 18.0873, 18.6288, 16.8298.

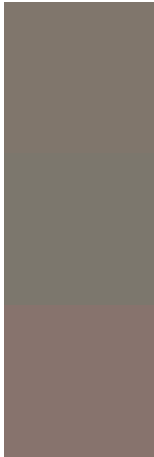


This preview shows how white text looks on a background with the XYZ color 18.0873, 18.6288,

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

18.0873, 18.6288, 16.8298

Protanopia

17.6693, 18.5829, 17.1236

Deuteranopia

18.8827, 18.5165, 17.0468



Tritanopia

19.1530, 18.7173, 22.0054

Trichromacy



Original Color

18.0873, 18.6288, 16.8298

Protanomaly

17.8146, 18.6578, 17.1304

Deuteranomaly

18.5214, 18.5004, 17.0628

Tritanomaly

18.7443, 18.7216, 20.0785

Monochromacy



Original Color

18.0873, 18.6288, 16.8298

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9176, 18.6656, 19.1815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0873, 18.6288, 16.8298 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, 118, 108)` looks like.

```
.text, #text, p{  
    color:rgb(128, 118, 108)  
}
```

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, 118, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 118, 108) }
```

Border

The CSS property to change the border of an element to XYZ 18.0873, 18.6288, 16.8298 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, 118, 108) }
```


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

```
.border{ border-color:rgb(128, 118, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 118, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 118, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 118, 108);  
box-shadow:4px 4px 4px 4px rgb(128, 118,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0873, 18.6288, 16.8298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 118, 108) }
```

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

```
.background{ background-color: rgb(128,  
118, 108) }
```

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