

Converting Colors

XYZ(16.2822, 16.7776, 16.5299)

Have a look what the booklet for
XYZ(16.2822, 16.7776, 16.5299)
contains.

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Color

**XYZ(16.3576, 16.8860,
16.5845)**

Conversions

Conversions Part 1

Format	Color
Hex	78716C
RGB	120, 113, 108
RGB Percent	47%, 44%, 42%
CMY	0.5294, 0.5569, 0.5765
CMYK	0.00, 0.06, 0.10, 0.53
HSL	25°, 5%, 45%
HSV	25°, 10%, 47%
XYZ	16.3576, 16.8860, 16.5845
YIQ	114.5230, 5.7770, -0.0710

Conversions

Conversions Part 2

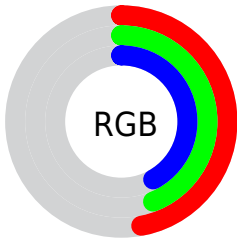
Format	Color
RYB	120, 117, 108
Decimal	7893356
CIELab	48.12, 1.76, 3.74
CIElCh	48, 4.128, 64.815
Yxy	16.8860, 0.3283, 0.3389
Android (android.graphics.Color)	4286083436 (0xFF78716C)
YUV	114.5230, -3.2158, 4.8033
Hunter-Lab	41.0926, -0.8571, 4.8360

Details

The XYZ color **16.3576, 16.8860, 16.5845** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7052, 16.8053, 20.1855**, and the grayscale version is **16.1600, 17.0016, 18.5147**.

A 20% lighter version of the original color is **36.7264, 38.1841, 38.2355**, and **5.4051, 5.4952, 5.1907** is the 20% darker color. If you saturate the color by 10%, you get **15.0117, 15.1468, 13.1989**, and if you desaturate by 10%, it is **17.8526, 18.7823, 20.4540**.

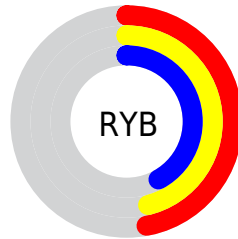
Distribution



Red (47%)

Green (44%)

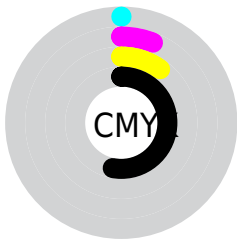
Blue (42%)



Red (47%)

Yellow (46%)

Blue (42%)

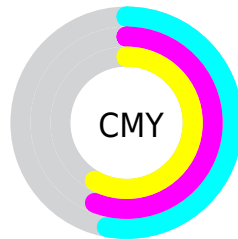


Cyan (0%)

Magenta (6%)

Yellow (10%)

Black (53%)



Cyan (53%)

Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3576, 16.8860, 16.5845 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 16.3576, 16.8860, 16.5845 by changing the saturation by 10% instead.

■ 16.3576, 16.8860,
16.5845

■ 16.3576, 16.8860,
16.5845

224.6718,
234.5146, 244.7288

■ 9.8700, 10.1532,
9.7799

■ 36.7704, 38.1297,
38.3908

■ 5.3745, 5.5007,
5.1496

■ 51.4262, 53.4094,
54.2296

■ 2.5056, 2.5439,
2.2750

■ 69.5356, 72.3068,
73.9168

■ 0.8981, 0.8986,
0.7172

■ 91.4638, 95.2065,
97.8710

■ 0.0000, 0.0000,
0.0000

117.5761,
122.4927, 126.5108

148.2380,

154.5498, 160.2547

183.8148,
191.7623, 199.5212

■ 16.3576, 16.8860,
16.5845

■ 16.3576, 16.8860,
16.5845

■ 15.0117, 15.1468,
13.1989

■ 17.8526, 18.7823,
20.4540

■ 13.8086, 13.5583,
10.2769

■ 19.4999, 20.8374,
24.8244

■ 12.7435, 12.1170,
7.7981

■ 21.3045, 23.0559,
29.7133

■ 11.8109, 10.8183,
5.7407

■ 23.2706, 25.4414,
35.1371

■ 11.0047, 9.6573,
4.0804

■ 25.4023, 27.9974,
41.1115

■ 10.3185, 8.6291,
2.7908

■ 27.7037, 30.7275,
47.6514

■ 9.7451, 7.7280,
1.8422

■ 30.1784, 33.6350,
54.7714

■ 9.2763, 6.9480,
1.2000

■ 32.8301, 36.7230,
62.4854

■ 8.8874, 6.2763,
0.7430

■ 35.6625, 39.9948,
70.8067

Harmonies

Analogous

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



16.6473, 16.8860, 17.2350



16.3576, 16.8860, 16.5845



15.9893, 16.8860, 16.4091

Triad

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



16.3576, 16.8860, 16.5845



15.3437, 16.8860, 18.5594



16.4637, 16.8860, 20.1292

Complementary

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



16.3576, 16.8860, 16.5845



15.7052, 16.8053, 20.1855

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.



16.1101, 16.8860, 20.5155



16.3576, 16.8860, 16.5845



15.4664, 16.8860, 19.5871

Square

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



16.3576, 16.8860, 16.5845



15.4076, 16.8860, 17.5234



15.7456, 16.8860, 20.3134



16.7092, 16.8860, 19.2764

Rectangle

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



16.3576, 16.8860, 16.5845



15.7497, 16.8860, 16.5793



15.7456, 16.8860, 20.3134



16.3533, 16.8860, 20.3194

Sweetspot

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



16.3581, 16.8867, 16.5849



30.5631, 31.9801, 33.7905



16.2030, 15.9562, 18.4457



7.1975, 7.5213, 7.8895



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.3581, 16.8867, 16.5849



28.2047, 28.9745, 27.7294



17.0495, 18.2696, 16.8153



4.1228, 4.2641, 4.2303



9.6820, 6.8199, 0.8061



45.3837, 30.9309, 3.5783

Inverse Universe

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



15.7052, 16.8053, 20.1855



26.8139, 28.8010, 35.3990



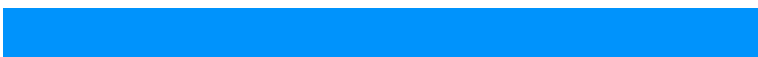
15.0433, 15.4817, 19.9649



3.9736, 4.2455, 5.0532



6.0721, 6.2266, 20.2671



28.1091, 27.9909, 96.3911

Previews

White Background



This preview shows how the XYZ color 16.3576, 16.8860, 16.5845 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 16.3576, 16.8860, 16.5845 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 16.3576, 16.8860, 16.5845

Background



This preview shows how black text looks on a background with the XYZ color 16.3576, 16.8860, 16.5845.



This preview shows how white text looks on a background with the XYZ color 16.3576, 16.8860,

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

16.3576, 16.8860, 16.5845

Protanopia

16.1953, 16.9689, 16.6091

Deuteranopia

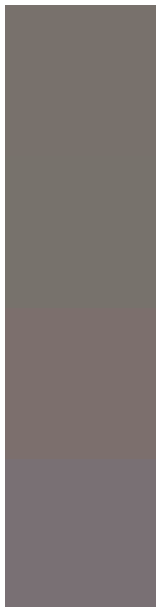
17.0886, 16.7680, 16.8039



Tritanopia

17.1006, 16.8625, 20.1228

Trichromacy



Original Color

16.3576, 16.8860, 16.5845

Protanomaly

16.3318, 17.0393, 16.6155

Deuteranomaly

16.7569, 16.7581, 16.8194

Tritanomaly

16.8317, 16.9142, 18.9006

Monochromacy



Original Color

16.3576, 16.8860, 16.5845

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2781, 16.9864, 17.7500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3576, 16.8860, 16.5845 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(120, 113, 108)` looks like.

```
.text, #text, p{  
    color:rgb(120, 113, 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(120, 113, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 113, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.3576, 16.8860, 16.5845 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(120, 113, 108) }
```


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

```
.border{ border-color:rgb(120, 113, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 113, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 113, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 113, 108);  
box-shadow:4px 4px 4px 4px rgb(120, 113,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3576, 16.8860, 16.5845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 113, 108) }
```

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

```
.background{ background-color: rgb(120,  
113, 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](#).

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