

Converting Colors

XYZ(16.9693, 18.8268, 18.3625)

Have a look what the booklet for
XYZ(16.9693, 18.8268, 18.3625)
contains.

XYZ(17.0030, 18.9356, 18.3816)	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(17.0030, 18.9356,
18.3816)**

Conversions

Conversions Part 1

Format	Color
Hex	727B71
RGB	114, 123, 113
RGB Percent	45%, 48%, 44%
CMY	0.5529, 0.5176, 0.5569
CMYK	0.07, 0.00, 0.08, 0.52
HSL	114°, 4%, 46%
HSV	114°, 8%, 48%
XYZ	17.0030, 18.9356, 18.3816
YIQ	119.1690, -2.1540, -5.0180

Conversions

Conversions Part 2

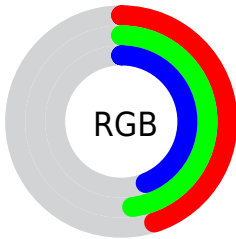
Format	Color
R_{YB}	113, 123, 122
Decimal	7502705
CIE Lab	50.61, -5.39, 4.31
CIE LCh	51, 6.903, 141.343
Yxy	18.9356, 0.3130, 0.3486
Android (android.graphics.Color)	4285692785 (0xFF727B71)
YUV	119.1690, -3.0413, -4.5332
Hunter-Lab	43.5151, -6.4046, 5.4153

Details

The XYZ color **17.0030, 18.9356, 18.3816** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5072, 17.3785, 21.1716**, and the grayscale version is **17.5983, 18.5148, 20.1627**.

A 20% lighter version of the original color is **37.8474, 41.4835, 41.6097**, and **5.6497, 6.4375, 5.9458** is the 20% darker color. If you saturate the color by 10%, you get **15.0030, 17.9798, 14.9149**, and if you desaturate by 10%, it is **19.2722, 20.0205, 22.3517**.

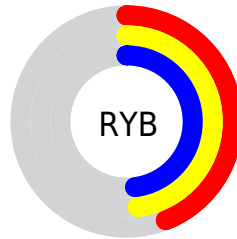
Distribution



Red (45%)

Green (48%)

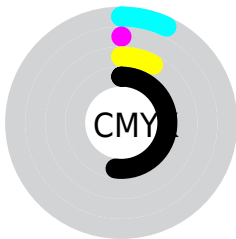
Blue (44%)



Red (44%)

Yellow (48%)

Blue (48%)

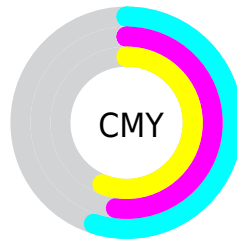


Cyan (7%)

Magenta (0%)

Yellow (8%)

Black (52%)



Cyan (55%)

Magenta (52%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0030, 18.9356, 18.3816 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 17.0030, 18.9356, 18.3816 by changing the saturation by 10% instead.

■ 17.0030, 18.9356,
18.3816

■ 17.0030, 18.9356,
18.3816

228.3456,
246.0930, 255.3212

■ 10.3319, 11.6238,
11.0520

■ 37.8745, 41.6253,
41.5092

■ 5.6835, 6.4880,
5.9872

■ 52.8056, 57.7718,
58.1443

■ 2.6924, 3.1440,
2.7687

■ 71.2209, 77.6321,
78.7183

■ 0.9933, 1.2074,
0.9778

■ 93.4855, 101.5905,
103.6498

■ 0.0000, 0.0677,
0.0000

119.9650,
130.0314, 133.3573

■ 0.0000, 0.0000,
0.0000

151.0245,

163.3392, 168.2593

187.0296,
201.8983, 208.7744

■ 17.0030, 18.9356,
18.3816

■ 17.0030, 18.9356,
18.3816

■ 15.0030, 17.9798,
14.9149

■ 19.2722, 20.0205,
22.3517

■ 13.2608, 17.1459,
11.9303

■ 21.8186, 21.2364,
26.8429

■ 11.7664, 16.4298,
9.4069

■ 24.6516, 22.5885,
31.8735

■ 10.5083, 15.8261,
7.3216

■ 27.7798, 24.0807,
37.4607

■ 9.4745, 15.3291,
5.6495

■ 31.2114, 25.7170,
43.6207

■ 8.6517, 14.9325,
4.3631

■ 34.9543, 27.5010,
50.3691

■ 8.0252, 14.6295,
3.4316

■ 39.0161, 29.4364,
57.7211

■ 7.5783, 14.4122,
2.8195

■ 43.4040, 31.5266,
65.6912

■ 7.2826, 14.2680,
2.4362

■ 48.1253, 33.7750,
74.2934

Harmonies

Analogous

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



17.5294, 18.9356, 17.3454



17.0030, 18.9356, 18.3816



16.7447, 18.9356, 20.0631

Triad

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



17.0030, 18.9356, 18.3816



17.8030, 18.9356, 24.5154



19.2340, 18.9356, 19.2941

Complementary

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



17.0030, 18.9356, 18.3816



17.5072, 17.3785, 21.1716

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.



19.3117, 18.9356, 21.1823



17.0030, 18.9356, 18.3816



18.4743, 18.9356, 24.2776

Square

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



17.0030, 18.9356, 18.3816



17.1990, 18.9356, 23.6590



19.0305, 18.9356, 23.0281



18.8208, 18.9356, 17.8488

Rectangle

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



17.0030, 18.9356, 18.3816



16.7548, 18.9356, 21.3575



19.0305, 18.9356, 23.0281



19.3006, 18.9356, 19.8951

Sweetspot

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



17.0035, 18.9364, 18.3820



32.8600, 35.0614, 37.1299



18.1094, 19.3233, 18.3984



7.7533, 8.2643, 8.7697



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



17.0035, 18.9364, 18.3820



29.6505, 33.5276, 31.5293



17.1045, 18.9619, 19.5887



3.9846, 4.4674, 4.2768



7.4858, 14.7363, 2.4498



35.3583, 70.1133, 11.6696

Inverse Universe

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



17.5072, 17.3785, 21.1716



30.7713, 30.0606, 37.7371



17.4040, 17.3536, 19.8858



4.1169, 4.0582, 5.0095



10.4401, 4.9548, 19.7914



49.3928, 23.4249, 94.3880

Previews

White Background



This preview shows how the XYZ color 17.0030, 18.9356, 18.3816 looks on a white background.

Color Contrast Check

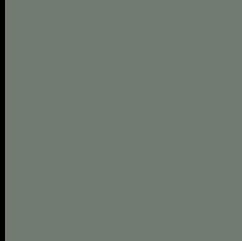
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0030, 18.9356, 18.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

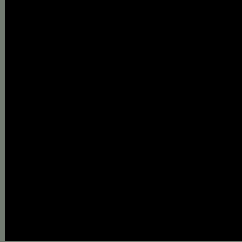
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

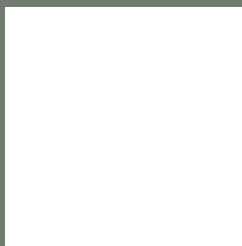
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0030, 18.9356, 18.3816

Background



This preview shows how black text looks on a background with the XYZ color 17.0030, 18.9356, 18.3816.



This preview shows how white text looks on a background with the XYZ color 17.0030, 18.9356,

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

17.0030, 18.9356, 18.3816

Protanopia

18.0432, 18.9406, 17.7439

Deuteranopia

19.1142, 18.7740, 18.5359



Tritanopia

18.0819, 18.8266, 23.8000

Trichromacy



Original Color

17.0030, 18.9356, 18.3816

Protanomaly

17.6472, 18.9095, 18.0490

Deuteranomaly

18.3865, 18.9206, 18.6026

Tritanomaly

17.6779, 18.8430, 21.7741

Monochromacy



Original Color

17.0030, 18.9356, 18.3816

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.2635, 18.4992, 19.4904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0030, 18.9356, 18.3816 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(114, 123, 113)` looks like.

```
.text, #text, p{  
    color:rgb(114, 123, 113)  
}
```

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(114, 123, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 123, 113) }
```

Border

The CSS property to change the border of an element to XYZ 17.0030, 18.9356, 18.3816 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(114, 123, 113) }
```


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

```
.border{ border-color:rgb(114, 123, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 123, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 123, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 123, 113);  
box-shadow:4px 4px 4px 4px rgb(114, 123,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0030, 18.9356, 18.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 123, 113) }
```

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

```
.background{ background-color: rgb(114,  
123, 113) }
```

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