

Converting Colors

XYZ(16.9011, 20.0481, 18.0892)

Have a look what the booklet for
XYZ(16.9011, 20.0481, 18.0892)
contains.

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Color

**XYZ(16.9038, 20.0364,
18.0154)**

Conversions

Conversions Part 1

Format	Color
Hex	6C816F
RGB	108, 129, 111
RGB Percent	42%, 51%, 44%
CMY	0.5765, 0.4941, 0.5647
CMYK	0.16, 0.00, 0.14, 0.49
HSL	129°, 9%, 46%
HSV	129°, 16%, 51%
XYZ	16.9038, 20.0364, 18.0154
YIQ	120.6690, -6.7380, -10.0500

Conversions

Conversions Part 2

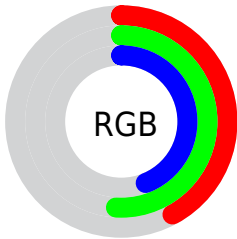
Format	Color
RYB	108, 126, 129
Decimal	7111023
CIELab	51.88, -11.40, 7.23
CIElCh	52, 13.500, 147.597
Yxy	20.0364, 0.3076, 0.3646
Android (android.graphics.Color)	4285301103 (0xFF6C816F)
YUV	120.6690, -4.7668, -11.1107
Hunter-Lab	44.7620, -10.9254, 7.4709

Details

The XYZ color **16.9038, 20.0364, 18.0154** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.1824, 16.8990, 22.0430**, and the grayscale version is **18.0841, 19.0259, 20.7192**.

A 20% lighter version of the original color is **37.8360, 43.5738, 41.0667**, and **5.6293, 7.0569, 5.7680** is the 20% darker color. If you saturate the color by 10%, you get **14.8779, 19.0586, 14.9369**, and if you desaturate by 10%, it is **19.2384, 21.1657, 21.5027**.

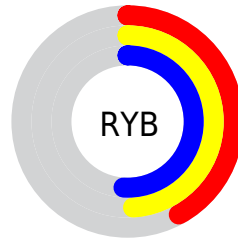
Distribution



Red (42%)

Green (51%)

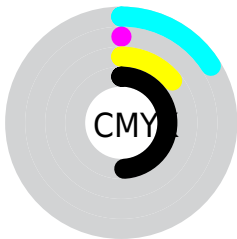
Blue (44%)



Red (42%)

Yellow (49%)

Blue (51%)

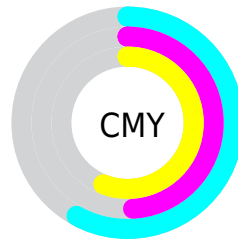


Cyan (16%)

Magenta (0%)

Yellow (14%)

Black (49%)



Cyan (58%)

Magenta (49%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9038, 20.0364, 18.0154 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 16.9038, 20.0364, 18.0154 by changing the saturation by 10% instead.

■ 16.9038, 20.0364,
18.0154

■ 16.9038, 20.0364,
18.0154

227.7845,
252.1121, 253.1969

■ 10.2608, 12.4215,
10.7915

■ 37.7052, 43.4782,
40.8779

■ 5.6358, 7.0314,
5.8144

■ 52.5943, 60.0739,
57.3535

■ 2.6635, 3.4818,
2.6656

■ 70.9629, 80.4320,
77.7501

■ 0.9784, 1.3881,
0.9260

■ 93.1762, 104.9369,
102.4862

■ 0.0000, 0.2079,
0.0000

119.5997,
133.9729, 131.9804

■ 0.0000, 0.0000,
0.0000

150.5987,

167.9245, 166.6513

186.5385,
207.1761, 206.9172

■ 16.9038, 20.0364,
18.0154

■ 16.9038, 20.0364,
18.0154

■ 14.8779, 19.0586,
14.9369

■ 19.2384, 21.1657,
21.5027

■ 13.1462, 18.2235,
12.2509

■ 21.8921, 22.4500,
25.4116

■ 11.6952, 17.5252,
9.9420

■ 24.8770, 23.8957,
29.7559

■ 10.5103, 16.9562,
7.9934

■ 28.2040, 25.5082,
34.5486

■ 9.5748, 16.5086,
6.3868

■ 31.8836, 27.2926,
39.8021

■ 8.8708, 16.1733,
5.1025

■ 35.9256, 29.2538,
45.5280

■ 8.3775, 15.9403,
4.1186

■ 40.3396, 31.3965,
51.7380

■ 8.0609, 15.7924,
3.4102

■ 45.1349, 33.7251,
58.4430

■ 7.9634, 15.7465,
3.2106

■ 50.3203, 36.2440,
65.6537

Harmonies

Analogous

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



17.8487, 20.0364, 15.7860



16.9038, 20.0364, 18.0154



16.5296, 20.0364, 21.5013

Triad

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



16.9038, 20.0364, 18.0154



18.9337, 20.0364, 30.2624



21.4771, 20.0364, 18.5022

Complementary

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



16.9038, 20.0364, 18.0154



18.1824, 16.8990, 22.0430

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.



21.8012, 20.0364, 22.1343



16.9038, 20.0364, 18.0154



20.2915, 20.0364, 29.2146

Square

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



16.9038, 20.0364, 18.0154



17.6660, 20.0364, 28.8317



21.3576, 20.0364, 26.1173



20.4919, 20.0364, 16.0424

Rectangle

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



16.9038, 20.0364, 18.0154



16.6400, 20.0364, 24.1793



21.3576, 20.0364, 26.1173



21.6690, 20.0364, 19.6124

Sweetspot

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



16.9043, 20.0373, 18.0158



34.9730, 38.1542, 39.2798



19.1916, 21.2351, 17.2747



7.8562, 8.6071, 8.8023



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.



16.9043, 20.0373, 18.0158



28.6850, 35.1145, 29.8645



17.5048, 20.2774, 21.1778



4.2991, 4.8280, 4.7465



7.7651, 15.3526, 3.1357



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.1824, 16.8990, 22.0430



31.4812, 28.2474, 38.6744



17.5514, 16.6466, 18.7201



4.4726, 4.4022, 5.2931



11.6026, 5.6607, 15.0291



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9038, 20.0364, 18.0154 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 16.9038, 20.0364, 18.0154 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 16.9038, 20.0364, 18.0154

Background



This preview shows how black text looks on a background with the XYZ color 16.9038, 20.0364, 18.0154.

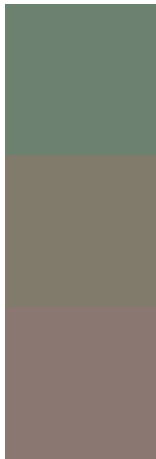


This preview shows how white text looks on a background with the XYZ color 16.9038, 20.0364,

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

16.9038, 20.0364, 18.0154

Protanopia

18.8430, 19.9158, 17.0383

Deuteranopia

20.2249, 19.8749, 18.3930



Tritanopia

18.5869, 20.1440, 26.2011

Trichromacy



Original Color

16.9038, 20.0364, 18.0154

Protanomaly

17.9791, 19.8363, 17.3492

Deuteranomaly

18.9097, 19.9250, 18.1785

Tritanomaly

17.9757, 20.0906, 23.0091

Monochromacy



Original Color

16.9038, 20.0364, 18.0154

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.6210, 19.4127, 19.6479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9038, 20.0364, 18.0154 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(108, 129, 111)` looks like.

```
.text, #text, p{  
    color:rgb(108, 129, 111)  
}
```

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(108, 129, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 129, 111) }
```

Border

The CSS property to change the border of an element to XYZ 16.9038, 20.0364, 18.0154 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(108, 129, 111) }
```


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

```
.border{ border-color:rgb(108, 129, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 129, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 129, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 129, 111);  
box-shadow:4px 4px 4px 4px rgb(108, 129,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9038, 20.0364, 18.0154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 129, 111) }
```

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

```
.background{ background-color: rgb(108,  
129, 111) }
```

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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