

Converting Colors

XYZ(16.7784, 16.2223, 15.3207)

Have a look what the booklet for
XYZ(16.7784, 16.2223, 15.3207)
contains.

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Color

**XYZ(16.8096, 16.1820,
15.3342)**

Conversions

Conversions Part 1

Format	Color
Hex	816B68
RGB	129, 107, 104
RGB Percent	51%, 42%, 41%
CMY	0.4941, 0.5804, 0.5922
CMYK	0.00, 0.17, 0.19, 0.49
HSL	7°, 11%, 46%
HSV	7°, 19%, 51%
XYZ	16.8096, 16.1820, 15.3342
YIQ	113.2360, 14.0750, 3.7310

Conversions

Conversions Part 2

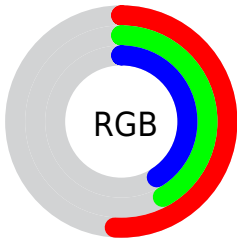
Format	Color
R _Y B	129, 107, 104
Decimal	8481640
CIE Lab	47.21, 8.19, 4.93
CIE LCh	47, 9.560, 31.054
Yxy	16.1820, 0.3478, 0.3349
Android (android.graphics.Color)	4286671720 (0xFF816B68)
YUV	113.2360, -4.5533, 13.8250
Hunter-Lab	40.2269, 4.1928, 5.5579

Details

The XYZ color **16.8096, 16.1820, 15.3342** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.1320, 19.4491, 23.6199**, and the grayscale version is **15.7766, 16.5983, 18.0755**.

A 20% lighter version of the original color is **37.4347, 36.7654, 36.1338**, and **5.5788, 5.1894, 4.5785** is the 20% darker color. If you saturate the color by 10%, you get **15.0972, 13.7267, 11.7742**, and if you desaturate by 10%, it is **18.7785, 18.9896, 19.4747**.

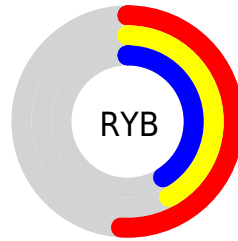
Distribution



Red (51%)

Green (42%)

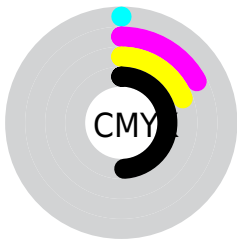
Blue (41%)



Red (51%)

Yellow (42%)

Blue (41%)

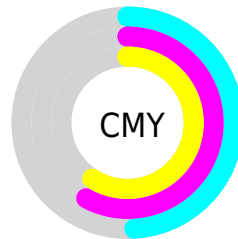


Cyan (0%)

Magenta (17%)

Yellow (19%)

Black (49%)



Cyan (49%)

Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8096, 16.1820, 15.3342 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 16.8096, 16.1820, 15.3342 by changing the saturation by 10% instead.

■ 16.8096, 16.1820,
15.3342

■ 16.8096, 16.1820,
15.3342

227.2505,
230.4133, 237.0903

■ 10.1933, 9.6530,
8.9050

■ 37.5443, 36.9139,
36.1890

■ 5.5906, 5.1695,
4.5833

■ 52.3935, 51.8856,
51.4517

■ 2.6360, 2.3471,
1.9505

■ 70.7176, 70.4403,
70.4960

■ 0.9643, 0.7985,
0.5246

■ 92.8821, 92.9625,
93.7404

■ 0.0000, 0.0000,
0.0000

119.2522,
119.8365, 121.6035

150.1934,

151.4466, 154.5038

186.0711,
188.1775, 192.8599

■ 16.8096, 16.1820,
15.3342

■ 16.8096, 16.1820,
15.3342

■ 15.0972, 13.7267,
11.7742

■ 18.7785, 18.9896,
19.4747

■ 13.6294, 11.6077,
8.7677

■ 21.0126, 22.1603,
24.2190

■ 12.3955, 9.8110,
6.2873

■ 23.5216, 25.7073,
29.5902

■ 11.3832, 8.3207,
4.3025

■ 26.3145, 29.6424,
35.6102

■ 10.5792, 7.1196,
2.7799

■ 29.3998, 33.9768,
42.2995

■ 9.9687, 6.1889,
1.6820

■ 32.7858, 38.7214,
49.6780

■ 9.5351, 5.5073,
0.9654

■ 36.4802, 43.8867,
57.7645

■ 9.2459, 5.0454,
0.5095

■ 40.4906, 49.4825,
66.5773

■ 9.2311, 5.0229,
0.4830

■ 44.8243, 55.5187,
76.1339

Harmonies

Analogous

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



17.0567, 16.1820, 17.5343



16.8096, 16.1820, 15.3342



16.1775, 16.1820, 13.8654

Triad

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



16.8096, 16.1820, 15.3342



14.0068, 16.1820, 15.4693



15.4103, 16.1820, 22.6739

Complementary

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



16.8096, 16.1820, 15.3342



17.1320, 19.4491, 23.6199

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.



14.6102, 16.1820, 21.9964



16.8096, 16.1820, 15.3342



13.8179, 16.1820, 17.7049

Square

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



16.8096, 16.1820, 15.3342



14.5604, 16.1820, 13.9383



14.0348, 16.1820, 20.1212



16.2309, 16.1820, 21.8977

Rectangle

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



16.8096, 16.1820, 15.3342



15.6336, 16.1820, 13.4245



14.0348, 16.1820, 20.1212



15.1301, 16.1820, 22.6082

Sweetspot

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



16.8100, 16.1827, 15.3345



34.8710, 35.7726, 37.5059



17.7749, 16.0764, 21.9331



7.8477, 8.0327, 8.3935



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.



16.8100, 16.1827, 15.3345



28.7726, 27.0752, 24.6850



18.1985, 18.9597, 15.7974



4.3662, 4.4211, 4.5434



9.0023, 4.9011, 0.4715



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.1320, 19.4491, 23.6199



29.4522, 33.9780, 42.1986



15.6419, 16.4690, 23.1233



4.4038, 4.8015, 5.5080



9.6782, 13.1749, 22.2829



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8096, 16.1820, 15.3342 looks on a white background.

Color Contrast Check

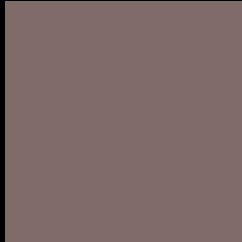
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8096, 16.1820, 15.3342 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

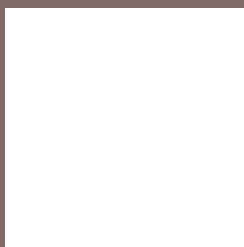
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8096, 16.1820, 15.3342

Background



This preview shows how black text looks on a background with the XYZ color 16.8096, 16.1820, 15.3342.

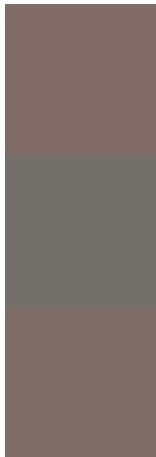


This preview shows how white text looks on a background with the XYZ color 16.8096, 16.1820,

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

16.8096, 16.1820, 15.3342

Protanopia

15.5182, 16.2947, 16.2372

Deuteranopia

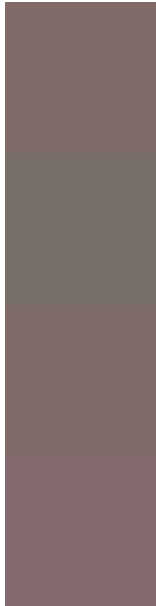
16.4654, 16.1602, 15.3481



Tritanopia

17.3972, 16.2688, 18.1428

Trichromacy



Original Color

16.8096, 16.1820, 15.3342

Protanomaly

15.9232, 16.1855, 15.9205

Deuteranomaly

16.6136, 16.2366, 15.3551

Tritanomaly

17.1744, 16.1797, 16.9697

Monochromacy



Original Color

16.8096, 16.1820, 15.3342

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.1067, 16.4166, 17.0717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8096, 16.1820, 15.3342 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(129, 107, 104)` looks like.

```
.text, #text, p{  
    color:rgb(129, 107, 104)  
}
```

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(129, 107, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 107, 104) }
```

Border

The CSS property to change the border of an element to XYZ 16.8096, 16.1820, 15.3342 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(129, 107, 104) }
```


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

```
.border{ border-color:rgb(129, 107, 104) }
```

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

Here you see how a box with a 4 pixel rgb(129, 107, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 107, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 107, 104);  
box-shadow:4px 4px 4px 4px rgb(129, 107,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8096, 16.1820, 15.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 107, 104) }
```

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

```
.background{ background-color: rgb(129,  
107, 104) }
```

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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