

Converting Colors

XYZ(15.8659, 16.7643, 18.0910)

Have a look what the booklet for
XYZ(15.8659, 16.7643, 18.0910)
contains.

XYZ(15.8080, 16.7376, 18.0203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(15.8080, 16.7376,
18.0203)**

Conversions

Conversions Part 1

Format	Color
Hex	717271
RGB	113, 114, 113
RGB Percent	44%, 45%, 44%
CMY	0.5569, 0.5529, 0.5569
CMYK	0.01, 0.00, 0.01, 0.55
HSL	120°, 0%, 45%
HSV	120°, 1%, 45%
XYZ	15.8080, 16.7376, 18.0203
YIQ	113.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

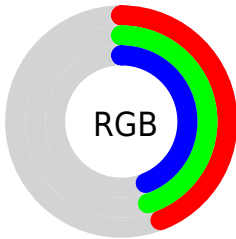
Format	Color
R_{YB}	113, 114, 114
Decimal	7434865
CIE Lab	47.93, -0.58, 0.41
CIE LCh	48, 0.714, 144.638
Yxy	16.7376, 0.3126, 0.3310
Android (android.graphics.Color)	4285624945 (0xFF717271)
YUV	113.5870, -0.2894, -0.5148
Hunter-Lab	40.9116, -2.6240, 2.5227

Details

The XYZ color **15.8080, 16.7376, 18.0203** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8824, 16.6030, 18.2880**, and the grayscale version is **15.8720, 16.6985, 18.1847**.

A 20% lighter version of the original color is **35.9448, 37.9884, 41.0353**, and **5.0823, 5.4019, 5.7758** is the 20% darker color. If you saturate the color by 10%, you get **13.8305, 15.7882, 14.7857**, and if you desaturate by 10%, it is **18.0513, 17.8157, 21.6889**.

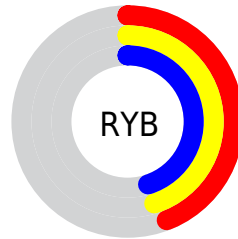
Distribution



Red (44%)

Green (45%)

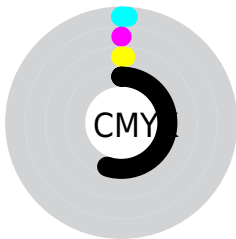
Blue (44%)



Red (44%)

Yellow (45%)

Blue (45%)

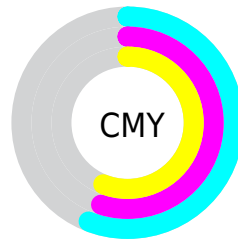


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (55%)



Cyan (56%)

Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8080, 16.7376, 18.0203 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 15.8080, 16.7376, 18.0203 by changing the saturation by 10% instead.

■ 15.8080, 16.7376,
18.0203

■ 15.8080, 16.7376,
18.0203

221.4988,
233.6557, 253.2254

■ 9.4784, 10.0476,
10.7950

■ 35.8247, 37.8741,
40.8863

■ 5.1141, 5.4305,
5.8167

■ 50.2425, 53.0893,
57.3641

■ 2.3498, 2.5020,
2.6670

■ 68.0871, 71.9151,
77.7631

■ 0.8200, 0.8776,
0.9267

■ 89.7237, 94.7358,
102.5019

■ 0.0000, 0.0000,
0.0000

115.5179,
121.9358, 131.9989

145.8349,

153.8995, 166.6728

181.0401,
191.0113, 206.9422

■ 15.8080, 16.7376,
18.0203

■ 15.8080, 16.7376,
18.0203

■ 13.8305, 15.7882,
14.7857

■ 18.0513, 17.8157,
21.6889

■ 12.1077, 14.9607,
11.9679

■ 20.5683, 19.0247,
25.8054

■ 10.6297, 14.2507,
9.5504

■ 23.3684, 20.3697,
30.3848

■ 9.3852, 13.6529,
7.5150

■ 26.4598, 21.8547,
35.4408

■ 8.3625, 13.1616,
5.8421

■ 29.8508, 23.4836,
40.9865

■ 7.5484, 12.7706,
4.5105

■ 33.5490, 25.2601,
47.0348

■ 6.9287, 12.4729,
3.4967

■ 37.5620, 27.1878,
53.5978

■ 6.4871, 12.2608,
2.7743

■ 41.8970, 29.2701,
60.6873

■ 6.2049, 12.1252,
2.3125

■ 46.5609, 31.5104,
68.3148

Harmonies

Analogous

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



15.8571, 16.7376, 17.9045



15.8080, 16.7376, 18.0203



15.7858, 16.7376, 18.1913

Triad

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



15.8080, 16.7376, 18.0203



15.8970, 16.7376, 18.5791



16.0212, 16.7376, 18.0772

Complementary

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



15.8080, 16.7376, 18.0203



15.8824, 16.6030, 18.2880

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.



16.0320, 16.7376, 18.2575



15.8080, 16.7376, 18.0203



15.9602, 16.7376, 18.5481

Square

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



15.8080, 16.7376, 18.0203



15.8372, 16.7376, 18.5146



16.0096, 16.7376, 18.4300



15.9802, 16.7376, 17.9372

Rectangle

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



15.8080, 16.7376, 18.0203



15.7893, 16.7376, 18.3140



16.0096, 16.7376, 18.4300



16.0285, 16.7376, 18.1351

Sweetspot

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



15.8085, 16.7383, 18.0207



28.1063, 29.5700, 32.2017



15.9381, 16.8052, 18.0267



6.5000, 6.8385, 7.4471



55.7959, 58.7016, 63.9261

Same Dimension

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



15.8085, 16.7383, 18.0207



27.7244, 29.3866, 31.5772



15.8368, 16.7496, 18.1696



3.7268, 3.9466, 4.2479



6.6985, 13.3969, 2.2333



33.3681, 66.7359, 11.1237

Inverse Universe

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



15.8824, 16.6030, 18.2880



27.8759, 29.1093, 32.1248



15.8540, 16.5916, 18.1382



3.7447, 3.9140, 4.3123



11.1049, 5.3343, 18.1601



55.3181, 26.5725, 90.4619

Previews

White Background



This preview shows how the XYZ color 15.8080, 16.7376, 18.0203 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 15.8080, 16.7376, 18.0203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

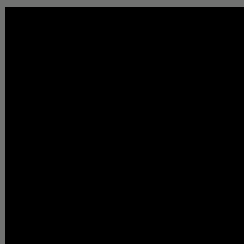
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

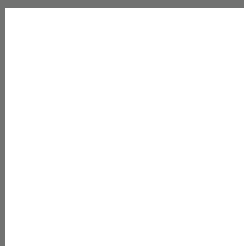
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8080, 16.7376, 18.0203

Background



This preview shows how black text looks on a background with the XYZ color 15.8080, 16.7376, 18.0203.



This preview shows how white text looks on a background with the XYZ color 15.8080, 16.7376,

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

15.8080, 16.7376, 18.0203

Protanopia

16.0882, 16.7155, 18.0013

Deuteranopia

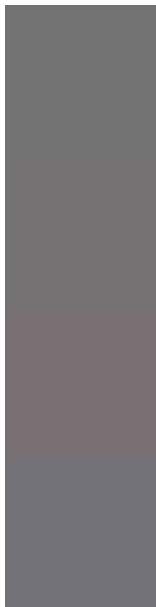
16.9254, 16.6519, 18.2417



Tritanopia

16.3574, 16.7928, 20.7916

Trichromacy



Original Color

15.8080, 16.7376, 18.0203

Protanomaly

15.9560, 16.6473, 17.9951

Deuteranomaly

16.4674, 16.5769, 18.2513

Tritanomaly

16.1743, 16.7196, 19.8275

Monochromacy



Original Color

15.8080, 16.7376, 18.0203

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9940, 16.8269, 18.3245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8080, 16.7376, 18.0203 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(113, 114, 113)` looks like.

```
.text, #text, p{  
    color:rgb(113, 114, 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(113, 114, 113) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 15.8080, 16.7376, 18.0203 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(113, 114, 113) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 15.8080, 16.7376, 18.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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