

Converting Colors

XYZ(16.3890, 15.1775, 16.7969)

Have a look what the booklet for
XYZ(16.3890, 15.1775, 16.7969)
contains.

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Color

**XYZ(16.4679, 15.2177,
16.8212)**

Conversions

Conversions Part 1

Format	Color
Hex	80666E
RGB	128, 102, 110
RGB Percent	50%, 40%, 43%
CMY	0.4980, 0.6000, 0.5686
CMYK	0.00, 0.20, 0.14, 0.50
HSL	342°, 11%, 45%
HSV	342°, 20%, 50%
XYZ	16.4679, 15.2177, 16.8212
YIQ	110.6860, 12.9280, 8.0000

Conversions

Conversions Part 2

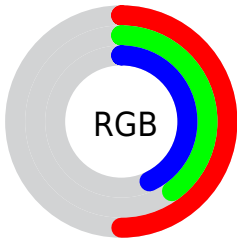
Format	Color
R_{YB}	128, 102, 110
Decimal	8414830
CIE _{Lab}	45.93, 11.80, -0.54
CIE _{LCh}	46, 11.811, 357.389
Yxy	15.2177, 0.3395, 0.3137
Android (android.graphics.Color)	4286604910 (0xFF80666E)
YUV	110.6860, -0.3382, 15.1844
Hunter-Lab	39.0099, 7.0860, 1.7408

Details

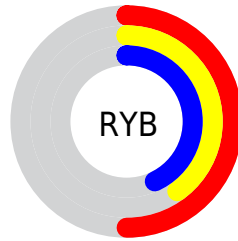
The XYZ color **16.4679, 15.2177, 16.8212** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5894, 19.6195, 20.6828**, and the grayscale version is **15.0172, 15.7992, 17.2054**.

A 20% lighter version of the original color is **36.9689, 35.2149, 39.0311**, and **5.4053, 4.7110, 5.3270** is the 20% darker color. If you saturate the color by 10%, you get **14.8472, 12.7101, 14.0183**, and if you desaturate by 10%, it is **18.3320, 18.1345, 19.9438**.

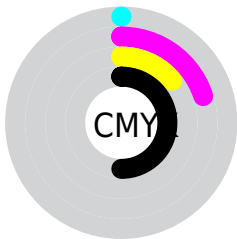
Distribution



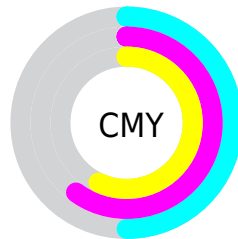
- Red (50%)
- Green (40%)
- Blue (43%)



- Red (50%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (20%)
- Yellow (14%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4679, 15.2177, 16.8212 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 16.4679, 15.2177, 16.8212 by changing the saturation by 10% instead.

■ 16.4679, 15.2177,
16.8212

■ 16.4679, 15.2177,
16.8212

225.3036,
224.6801, 246.1489

■ 9.9488, 8.9723,
9.9465

■ 36.9595, 35.2346,
38.8045

■ 5.4270, 4.7231,
5.2583

■ 51.6628, 49.7750,
54.7502

■ 2.5372, 2.0857,
2.3383

■ 69.8248, 67.8491,
74.5567

■ 0.9141, 0.6566,
0.7525

■ 91.8109, 89.8414,
98.6424

■ 0.0000, 0.0000,
0.0000

117.9865,
116.1362, 127.4259

148.7169,

147.1181, 161.3258

184.3675,
183.1712, 200.7606

■ 16.4679, 15.2177,
16.8212

■ 16.4679, 15.2177,
16.8212

■ 14.8472, 12.7101,
14.0183

■ 18.3320, 18.1345,
19.9438

■ 13.4583, 10.5914,
11.5236

■ 20.4479, 21.4755,
23.3949

■ 12.2906, 8.8423,
9.3266

■ 22.8251, 25.2578,
27.1844

■ 11.3321, 7.4416,
7.4155

■ 25.4723, 29.4965,
31.3212

■ 10.5696, 6.3653,
5.7779

■ 28.3978, 34.2064,
35.8142

■ 9.9883, 5.5869,
4.4002

■ 31.6094, 39.4013,
40.6717

■ 9.5713, 5.0751,
3.2676

■ 35.1148, 45.0945,
45.9018

■ 9.2746, 4.7382,
2.3781

■ 38.9212, 51.2990,
51.5123

■ 43.0357, 58.0272,
57.5109

Harmonies

Analogous

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



16.1422, 15.2177, 19.7129



16.4679, 15.2177, 16.8212



16.2365, 15.2177, 14.1665

Triad

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



16.4679, 15.2177, 16.8212



13.5986, 15.2177, 12.1512



13.4538, 15.2177, 21.6461

Complementary

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



16.4679, 15.2177, 16.8212



16.5894, 19.6195, 20.6828

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.



12.8254, 15.2177, 19.2299



16.4679, 15.2177, 16.8212



12.9063, 15.2177, 13.7794

Square

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



16.4679, 15.2177, 16.8212



14.5516, 15.2177, 11.6613



12.6296, 15.2177, 16.3203



14.3767, 15.2177, 22.6915

Rectangle

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



16.4679, 15.2177, 16.8212



15.8031, 15.2177, 12.8433



12.6296, 15.2177, 16.3203



13.2027, 15.2177, 20.9546

Sweetspot

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



16.4683, 15.2184, 16.8215



33.7755, 34.2900, 37.5777



16.3616, 15.0384, 22.4625



7.8631, 7.9577, 8.7249



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.



16.4683, 15.2184, 16.8215



27.7330, 24.8350, 27.4556



16.5342, 16.0159, 14.7911



4.3780, 4.3644, 4.7952



9.1970, 4.6985, 2.3611



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.4683, 15.2184, 16.8215



27.7330, 24.8350, 27.4556



16.4882, 18.6076, 23.1448



4.3780, 4.3644, 4.7952



9.1970, 4.6985, 2.3611



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4679, 15.2177, 16.8212 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 16.4679, 15.2177, 16.8212 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 16.4679, 15.2177, 16.8212

Background



This preview shows how black text looks on a background with the XYZ color 16.4679, 15.2177, 16.8212.



This preview shows how white text looks on a background with the XYZ color 16.4679, 15.2177,

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

16.4679, 15.2177, 16.8212

Protanopia

14.7065, 15.1912, 18.0767

Deuteranopia

15.4196, 15.1292, 16.5755



Tritanopia

16.4679, 15.2177, 16.8212

Trichromacy



Original Color

16.4679, 15.2177, 16.8212

Protanomaly

15.3371, 15.2133, 17.7509

Deuteranomaly

15.7367, 15.1423, 16.5613

Tritanomaly

16.4679, 15.2177, 16.8212

Monochromacy



Original Color

16.4679, 15.2177, 16.8212

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.5679, 15.6547, 17.2401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4679, 15.2177, 16.8212 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(128, 102, 110)` looks like.

```
.text, #text, p{  
    color:rgb(128, 102, 110)  
}
```

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(128, 102, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 102, 110) }
```

Border

The CSS property to change the border of an element to XYZ 16.4679, 15.2177, 16.8212 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(128, 102, 110) }
```


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

```
.border{ border-color:rgb(128, 102, 110) }
```

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

Here you see how a box with a 4 pixel rgb(128, 102, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 102, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 102, 110);  
box-shadow:4px 4px 4px 4px rgb(128, 102,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4679, 15.2177, 16.8212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 102, 110) }
```

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

```
.background{ background-color: rgb(128,  
102, 110) }
```

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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