

Converting Colors

XYZ(16.5212, 18.4107, 12.3194)

Have a look what the booklet for
XYZ(16.5212, 18.4107, 12.3194)
contains.

XYZ(16.5680, 18.4779, 12.3662)	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(16.5680, 18.4779,
12.3662)**

Conversions

Conversions Part 1

Format	Color
Hex	79795A
RGB	121, 121, 90
RGB Percent	47%, 47%, 35%
CMY	0.5255, 0.5255, 0.6471
CMYK	0.00, 0.00, 0.26, 0.53
HSL	60°, 15%, 41%
HSV	60°, 26%, 47%
XYZ	16.5680, 18.4779, 12.3662
YIQ	117.4660, 9.9510, -9.6410

Conversions

Conversions Part 2

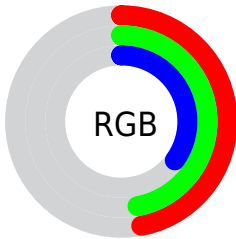
Format	Color
RYB	90, 121, 90
Decimal	7960922
CIELab	50.07, -5.48, 17.06
CIELCh	50, 17.919, 107.812
Yxy	18.4779, 0.3494, 0.3897
Android (android.graphics.Color)	4286151002 (0xFF79795A)
YUV	117.4660, -13.5407, 3.0993
Hunter-Lab	42.9859, -6.4264, 13.0336

Details

The XYZ color **16.5680, 18.4779, 12.3662** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.3245, 10.8669, 19.5909**, and the grayscale version is **17.0923, 17.9824, 19.5828**.

A 20% lighter version of the original color is **37.1328, 40.7793, 30.7250**, and **5.5097, 6.3247, 3.3133** is the 20% darker color. If you saturate the color by 10%, you get **16.0944, 18.2891, 9.8710**, and if you desaturate by 10%, it is **17.1264, 18.7019, 15.3039**.

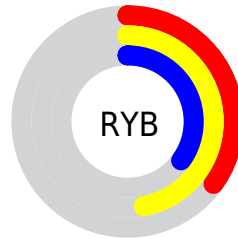
Distribution



Red (47%)

Green (47%)

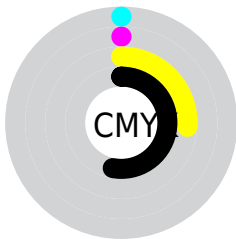
Blue (35%)



Red (35%)

Yellow (47%)

Blue (35%)

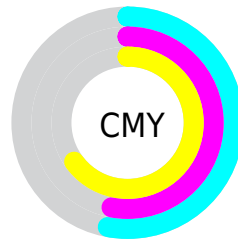


Cyan (0%)

Magenta (0%)

Yellow (26%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5680, 18.4779, 12.3662 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 16.5680, 18.4779, 12.3662 by changing the saturation by 10% instead.

■ 16.5680, 18.4779,
12.3662

■ 16.5680, 18.4779,
12.3662

225.8755,
243.5511, 217.8780

■ 10.0204, 11.2936,
6.8680

■ 37.1310, 40.8500,
30.8346

■ 5.4748, 6.2647,
3.3025

■ 51.8772, 56.8066,
44.6420

■ 2.5661, 3.0067,
1.2511

■ 70.0868, 76.4561,
62.0562

■ 0.9287, 1.1352,
0.0212

■ 92.1254, 100.1829,
83.4957

■ 0.0000, 0.0078,
0.0000

■ 118.3581,
128.3715, 109.3791

■ 0.0000, 0.0000,
0.0000

149.1505,

161.4061, 140.1249

184.8679,
199.6711, 176.1517

■ 16.5680, 18.4779,
12.3662

■ 16.5680, 18.4779,
12.3662

■ 16.0944, 18.2891,
9.8710

■ 17.1264, 18.7019,
15.3039

■ 15.7001, 18.1313,
7.7957

■ 17.7721, 18.9602,
18.7028

■ 15.3813, 18.0038,
6.1176

■ 18.5089, 19.2550,
22.5821

■ 15.1331, 17.9045,
4.8114

■ 19.3403, 19.5875,
26.9592

■ 14.9501, 17.8313,
3.8489

■ 20.2694, 19.9592,
31.8511

■ 14.8263, 17.7817,
3.1976

■ 21.2993, 20.3712,
37.2736

■ 14.7508, 17.7515,
2.8011

■ 22.4329, 20.8246,
43.2421

■ 14.7217, 17.7399,
2.6482

■ 23.6730, 21.3207,
49.7712

■ 25.0222, 21.8604,
56.8751

Harmonies

Analogous

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



18.2719, 18.4779, 12.1927



16.5680, 18.4779, 12.3662



15.2191, 18.4779, 14.3931

Triad

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



16.5680, 18.4779, 12.3662



15.4291, 18.4779, 28.0058



21.0065, 18.4779, 22.1911

Complementary

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



16.5680, 18.4779, 12.3662



11.3245, 10.8669, 19.5909

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.



20.1353, 18.4779, 27.1926



16.5680, 18.4779, 12.3662



16.8720, 18.4779, 30.8997

Square

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



16.5680, 18.4779, 12.3662



14.5917, 18.4779, 23.1655



18.5964, 18.4779, 30.5798



20.9118, 18.4779, 17.3525

Rectangle

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



16.5680, 18.4779, 12.3662



14.6684, 18.4779, 16.7426



18.5964, 18.4779, 30.5798



20.8147, 18.4779, 23.9220

Sweetspot

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



16.5685, 18.4787, 12.3666



31.5097, 33.8253, 31.8394



13.3874, 12.1159, 11.3061



7.1701, 7.7204, 7.0979



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.5685, 18.4787, 12.3666



29.1283, 32.8726, 19.3030



14.5682, 17.4475, 12.2730



4.3077, 4.6339, 4.2919



15.7756, 19.0098, 2.8378



75.2507, 90.6786, 13.5366

Inverse Universe

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



11.3245, 10.8669, 19.5909



17.9765, 16.6855, 34.6661



12.9925, 11.7268, 19.6690



3.7977, 3.8936, 4.9946



3.6986, 1.4795, 19.4759



17.6424, 7.0570, 92.9021

Previews

White Background



This preview shows how the XYZ color 16.5680, 18.4779, 12.3662 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 16.5680, 18.4779, 12.3662 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 16.5680, 18.4779, 12.3662

Background



This preview shows how black text looks on a background with the XYZ color 16.5680, 18.4779, 12.3662.



This preview shows how white text looks on a background with the XYZ color 16.5680, 18.4779,

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

16.5680, 18.4779, 12.3662

Protanopia

17.3021, 18.5041, 12.1109

Deuteranopia

18.7209, 18.3654, 12.4557



Tritanopia

18.5512, 18.4071, 21.9772

Trichromacy



Original Color

16.5680, 18.4779, 12.3662

Protanomaly

16.9771, 18.5142, 12.1300

Deuteranomaly

17.9225, 18.4645, 12.5169

Tritanomaly

17.7152, 18.4118, 17.9494

Monochromacy



Original Color

16.5680, 18.4779, 12.3662

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6035, 17.8700, 16.4841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5680, 18.4779, 12.3662 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(121, 121, 90)` looks like.

```
.text, #text, p{  
    color:rgb(121, 121, 90)  
}
```

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(121, 121, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 121, 90) }
```

Border

The CSS property to change the border of an element to XYZ 16.5680, 18.4779, 12.3662 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(121, 121, 90) }
```


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

```
.border{ border-color:rgb(121, 121, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 121, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 121, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 121, 90);  
box-shadow:4px 4px 4px 4px rgb(121, 121,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5680, 18.4779, 12.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 121, 90) }
```

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

```
.background{ background-color: rgb(121,  
121, 90) }
```

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