

Converting Colors

XYZ(16.7798, 15.1139, 13.7521)

Have a look what the booklet for
XYZ(16.7798, 15.1139, 13.7521)
contains.

XYZ(16.8010, 15.1661, 13.8462)	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(16.8010, 15.1661,
13.8462)**

Conversions

Conversions Part 1

Format	Color
Hex	876463
RGB	135, 100, 99
RGB Percent	53%, 39%, 39%
CMY	0.4706, 0.6078, 0.6118
CMYK	0.00, 0.26, 0.27, 0.47
HSL	2°, 15%, 46%
HSV	2°, 27%, 53%
XYZ	16.8010, 15.1661, 13.8462
YIQ	110.3510, 21.1810, 7.1090

Conversions

Conversions Part 2

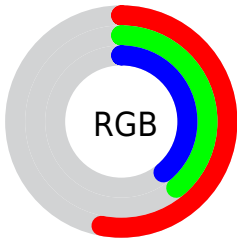
Format	Color
R_{YB}	135, 100, 99
Decimal	8873059
CIE _{Lab}	45.86, 13.97, 6.08
CIE _{LCh}	46, 15.235, 23.531
Yxy	15.1661, 0.3667, 0.3310
Android (android.graphics.Color)	4287063139 (0xFF876463)
YUV	110.3510, -5.5960, 21.6172
Hunter-Lab	38.9437, 8.8567, 6.1804

Details

The XYZ color **16.8010, 15.1661, 13.8462** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.0436, 21.4515, 26.1114**, and the grayscale version is **14.9336, 15.7113, 17.1096**.

A 20% lighter version of the original color is **37.5579, 35.1540, 33.6601**, and **5.5719, 4.6881, 3.9794** is the 20% darker color. If you saturate the color by 10%, you get **15.0498, 12.6117, 10.3401**, and if you desaturate by 10%, it is **18.8637, 18.1707, 17.9889**.

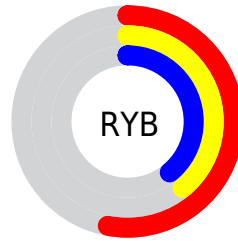
Distribution



Red (53%)

Green (39%)

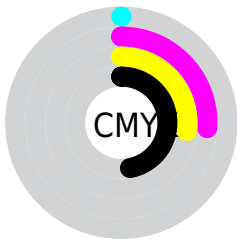
Blue (39%)



Red (53%)

Yellow (39%)

Blue (39%)

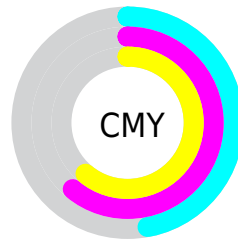


Cyan (0%)

Magenta (26%)

Yellow (27%)

Black (47%)



Cyan (47%)

Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8010, 15.1661, 13.8462 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 16.8010, 15.1661, 13.8462 by changing the saturation by 10% instead.

■ 16.8010, 15.1661,
13.8462

■ 16.8010, 15.1661,
13.8462

227.2016,
224.3694, 227.6670

■ 10.1871, 8.9360,
7.8762

■ 37.5296, 35.1443,
33.5291

■ 5.5864, 4.6995,
3.9292

■ 52.3751, 49.6612,
48.0791

■ 2.6335, 2.0720,
1.5866

■ 70.6952, 67.7093,
66.3262

■ 0.9631, 0.6488,
0.2812

■ 92.8552, 89.6728,
88.6889

■ 0.0000, 0.0000,
0.0000

119.2205,
115.9361, 115.5858

150.1564,

146.8838, 147.4354

186.0283,
182.9000, 184.6563

■ 16.8010, 15.1661,
13.8462

■ 16.8010, 15.1661,
13.8462

■ 15.0498, 12.6117,
10.3401

■ 18.8637, 18.1707,
17.9889

■ 13.5939, 10.4838,
7.4381

■ 21.2507, 21.6434,
22.7965

■ 12.4174, 8.7598,
5.1064

■ 23.9757, 25.6038,
28.2968

■ 11.5023, 7.4142,
3.3075

■ 27.0511, 30.0698,
34.5157

■ 10.8288, 6.4186,
1.9994

■ 30.4886, 35.0583,
41.4778

■ 10.3739, 5.7405,
1.1336

■ 34.2996, 40.5853,
49.2065

■ 10.1047, 5.3374,
0.6269

■ 38.4948, 46.6664,
57.7242

■ 10.0326, 5.2326,
0.4812

■ 43.0846, 53.3164,
67.0524

■ 48.0789, 60.5496,
77.2118

Harmonies

Analogous

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



17.0120, 15.1661, 17.3234



16.8010, 15.1661, 13.8462



15.9340, 15.1661, 11.4514

Triad

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



16.8010, 15.1661, 13.8462



12.5179, 15.1661, 12.6543



14.1383, 15.1661, 24.5896

Complementary

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



16.8010, 15.1661, 13.8462



18.0436, 21.4515, 26.1114

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.



12.9956, 15.1661, 22.8825



16.8010, 15.1661, 13.8462



12.0966, 15.1661, 15.7288

Square

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



16.8010, 15.1661, 13.8462



13.4508, 15.1661, 10.8381



12.2662, 15.1661, 19.5026



15.4241, 15.1661, 23.8878

Rectangle

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



16.8010, 15.1661, 13.8462



15.1268, 15.1661, 10.6145



12.2662, 15.1661, 19.5026



13.7258, 15.1661, 24.2711

Sweetspot

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



16.8014, 15.1668, 13.8465



37.3708, 37.7629, 39.4430



18.7847, 15.8072, 24.7620



8.5147, 8.5419, 8.8525



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.8014, 15.1668, 13.8465



28.1254, 24.2987, 20.8646



18.6754, 18.9148, 14.4712



4.6822, 4.7080, 4.8913



9.2529, 4.8284, 0.4443



0.0327, 0.0180, 0.0018

Inverse Universe

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



18.0436, 21.4515, 26.1114



30.7381, 37.5202, 46.6704



15.8105, 16.9853, 25.3670



4.7908, 5.2572, 5.9630



11.5483, 16.6443, 23.7407



0.0409, 0.0594, 0.0825

Previews

White Background



This preview shows how the XYZ color 16.8010, 15.1661, 13.8462 looks on a white background.

Color Contrast Check

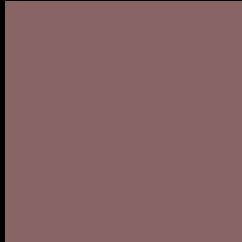
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8010, 15.1661, 13.8462 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 16.8010, 15.1661, 13.8462

Background



This preview shows how black text looks on a background with the XYZ color 16.8010, 15.1661, 13.8462.



This preview shows how white text looks on a background with the XYZ color 16.8010, 15.1661,

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

16.8010, 15.1661, 13.8462

Protanopia

14.5433, 15.1693, 15.2582

Deuteranopia

15.4246, 15.1959, 13.6754



Tritanopia

17.2167, 15.1985, 15.6619

Trichromacy



Original Color

16.8010, 15.1661, 13.8462

Protanomaly

15.1956, 15.0555, 14.6755

Deuteranomaly

15.8072, 15.0944, 13.6356

Tritanomaly

17.0634, 15.1372, 14.8544

Monochromacy



Original Color

16.8010, 15.1661, 13.8462

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.3633, 15.2706, 15.7735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8010, 15.1661, 13.8462 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(135, 100, 99)` looks like.

```
.text, #text, p{  
    color:rgb(135, 100, 99)  
}
```

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(135, 100, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 100, 99) }
```

Border

The CSS property to change the border of an element to XYZ 16.8010, 15.1661, 13.8462 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(135, 100, 99) }
```


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

```
.border{ border-color:rgb(135, 100, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 100, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 100, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 100, 99);  
box-shadow:4px 4px 4px 4px rgb(135, 100,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8010, 15.1661, 13.8462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 100, 99) }
```

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

```
.background{ background-color: rgb(135,  
100, 99) }
```

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