

Converting Colors

XYZ(15.4310, 16.8590, 13.3680)

Have a look what the booklet for
XYZ(15.4310, 16.8590, 13.3680)
contains.

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Color

**XYZ(15.3988, 16.8007,
13.2577)**

Conversions

Conversions Part 1

Format	Color
Hex	74735F
RGB	116, 115, 95
RGB Percent	45%, 45%, 37%
CMY	0.5451, 0.5490, 0.6274
CMYK	0.00, 0.01, 0.18, 0.55
HSL	57°, 10%, 41%
HSV	57°, 18%, 45%
XYZ	15.3988, 16.8007, 13.2577
YIQ	113.0190, 7.0160, -6.0080

Conversions

Conversions Part 2

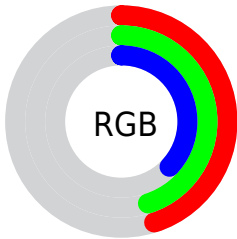
Format	Color
RYB	96, 116, 95
Decimal	7631711
CIELab	48.01, -3.32, 11.23
CIELCh	48, 11.711, 106.475
Yxy	16.8007, 0.3388, 0.3696
Android (android.graphics.Color)	4285821791 (0xFF74735F)
YUV	113.0190, -8.8834, 2.6143
Hunter-Lab	40.9887, -4.6705, 9.5148

Details

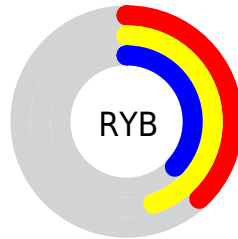
The XYZ color **15.3988, 16.8007, 13.2577** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0546, 12.0594, 18.2156**, and the grayscale version is **15.7261, 16.5451, 18.0176**.

A 20% lighter version of the original color is **35.0780, 38.0066, 32.2753**, and **4.9454, 5.4650, 3.6999** is the 20% darker color. If you saturate the color by 10%, you get **14.8478, 16.4806, 10.6635**, and if you desaturate by 10%, it is **16.0296, 17.1545, 16.2664**.

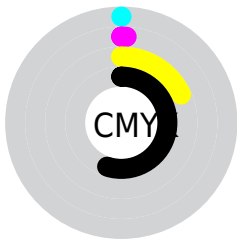
Distribution



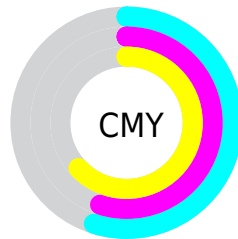
- Red (45%)
- Green (45%)
- Blue (37%)



- Red (38%)
- Yellow (45%)
- Blue (37%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (55%)



- Cyan (55%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3988, 16.8007, 13.2577 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 15.3988, 16.8007, 13.2577 by changing the saturation by 10% instead.

■ 15.3988, 16.8007,
13.2577

■ 15.3988, 16.8007,
13.2577

219.1084,
234.0212, 223.8282

■ 9.1879, 10.0925,
7.4734

■ 35.1172, 37.9828,
32.4639

■ 4.9220, 5.4603,
3.6770

■ 49.3555, 53.2255,
46.7230

■ 2.2359, 2.5198,
1.4499

■ 67.0002, 72.0818,
64.6440

■ 0.7615, 0.8865,
0.1802

■ 88.4167, 94.9361,
86.6456

■ 0.0000, 0.0000,
0.0000

113.9704,
122.1728, 113.1463

144.0267,

154.1763, 144.5646

178.9509,
191.3310, 181.3190

■ 15.3988, 16.8007,
13.2577

■ 15.3988, 16.8007,
13.2577

■ 14.8478, 16.4806,
10.6635

■ 16.0296, 17.1545,
16.2664

■ 14.3719, 16.1905,
8.4645

■ 16.7421, 17.5410,
19.7056

■ 13.9677, 15.9298,
6.6414

■ 17.5399, 17.9622,
23.5918

■ 13.6312, 15.6967,
5.1730

■ 18.4258, 18.4192,
27.9402

■ 13.3579, 15.4895,
4.0360

■ 19.4026, 18.9132,
32.7656

■ 13.1430, 15.3062,
3.2042

■ 20.4729, 19.4453,
38.0817

■ 12.9807, 15.1446,
2.6474

■ 21.6394, 20.0164,
43.9019

■ 12.8548, 14.9981,
2.2806

■ 22.9044, 20.6275,
50.2392

■ 12.8314, 14.9706,
2.2133

■ 24.2703, 21.2796,
57.1059

Harmonies

Analogous

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



16.4488, 16.8007, 13.1952



15.3988, 16.8007, 13.2577



14.5391, 16.8007, 14.5686

Triad

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



15.3988, 16.8007, 13.2577



14.6088, 16.8007, 22.8488



18.0283, 16.8007, 19.6891

Complementary

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



15.3988, 16.8007, 13.2577



12.0546, 12.0594, 18.2156

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.



17.4888, 16.8007, 22.6038



15.3988, 16.8007, 13.2577



15.4977, 16.8007, 24.5594

Square

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



15.3988, 16.8007, 13.2577



14.0969, 16.8007, 19.9949



16.5522, 16.8007, 24.4650



17.9989, 16.8007, 16.6908

Rectangle

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



15.3988, 16.8007, 13.2577



14.1758, 16.8007, 16.0658



16.5522, 16.8007, 24.4650



17.9065, 16.8007, 20.7174

Sweetspot

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



15.3992, 16.8014, 13.2581



28.5342, 30.3500, 30.3120



13.4085, 12.7431, 12.8316



6.7910, 7.2316, 7.1534



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



15.3992, 16.8014, 13.2581



26.6202, 29.2755, 21.1857



14.3206, 16.4153, 13.2404



3.9525, 4.2379, 3.9520



14.3957, 16.7926, 2.4826



69.9702, 81.4689, 12.0372

Inverse Universe

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



12.0546, 12.0594, 18.2156



19.5125, 19.1983, 31.7217



13.0061, 12.4157, 18.2342



3.5133, 3.6152, 4.6029



3.6008, 1.5413, 18.6503



17.3696, 7.1558, 90.8260

Previews

White Background



This preview shows how the XYZ color 15.3988, 16.8007, 13.2577 looks on a white background.

Color Contrast Check

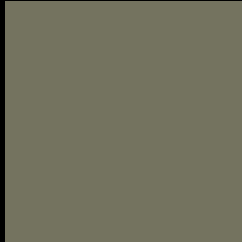
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3988, 16.8007, 13.2577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

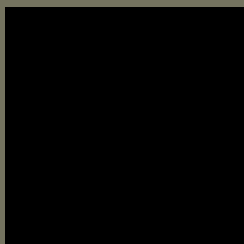
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

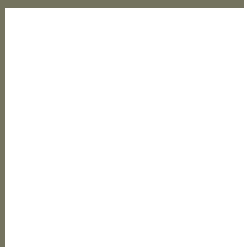
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3988, 16.8007, 13.2577

Background



This preview shows how black text looks on a background with the XYZ color 15.3988, 16.8007, 13.2577.



This preview shows how white text looks on a background with the XYZ color 15.3988, 16.8007,

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

15.3988, 16.8007, 13.2577

Protanopia

15.7834, 16.8358, 13.0074

Deuteranopia

17.0473, 16.8217, 13.4147



Tritanopia

16.6824, 16.6469, 20.1032

Trichromacy



Original Color

15.3988, 16.8007, 13.2577

Protanomaly

15.6454, 16.7647, 13.0010

Deuteranomaly

16.5097, 16.8685, 13.4521

Tritanomaly

16.1346, 16.5876, 17.3903

Monochromacy



Original Color

15.3988, 16.8007, 13.2577

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.5583, 16.6526, 16.0299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3988, 16.8007, 13.2577 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(116, 115, 95)` looks like.

```
.text, #text, p{  
    color:rgb(116, 115, 95)  
}
```

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(116, 115, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 115, 95) }
```

Border

The CSS property to change the border of an element to XYZ 15.3988, 16.8007, 13.2577 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(116, 115, 95) }
```


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

```
.border{ border-color:rgb(116, 115, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 115, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 115, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 115, 95);  
box-shadow:4px 4px 4px 4px rgb(116, 115,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3988, 16.8007, 13.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 115, 95) }
```

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

```
.background{ background-color: rgb(116,  
115, 95) }
```

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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