

Converting Colors

XYZ(15.5513, 16.9969, 10.8751)

Have a look what the booklet for
XYZ(15.5513, 16.9969, 10.8751)
contains.

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Color

**XYZ(15.4767, 16.8946,
10.8328)**

Conversions

Conversions Part 1

Format	Color
Hex	787354
RGB	120, 115, 84
RGB Percent	47%, 45%, 33%
CMY	0.5294, 0.5490, 0.6706
CMYK	0.00, 0.04, 0.30, 0.53
HSL	52°, 18%, 40%
HSV	52°, 30%, 47%
XYZ	15.4767, 16.8946, 10.8328
YIQ	112.9610, 12.9310, -8.5810

Conversions

Conversions Part 2

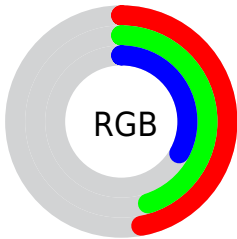
Format	Color
R_{YB}	90, 120, 84
Decimal	7893844
CIE _{Lab}	48.13, -3.38, 17.89
CIE _{LCh}	48, 18.206, 100.685
Yxy	16.8946, 0.3582, 0.3910
Android (android.graphics.Color)	4286083924 (0xFF787354)
YUV	112.9610, -14.2778, 6.1732
Hunter-Lab	41.1030, -4.7190, 13.1461

Details

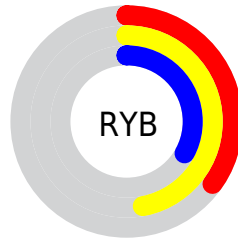
The XYZ color **15.4767, 16.8946, 10.8328** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.6187, 10.3855, 19.2143**, and the grayscale version is **15.7231, 16.5419, 18.0142**.

A 20% lighter version of the original color is **35.3554, 38.2429, 28.0724**, and **4.9719, 5.5004, 2.7191** is the 20% darker color. If you saturate the color by 10%, you get **14.8583, 16.3466, 8.5032**, and if you desaturate by 10%, it is **16.1799, 17.4832, 13.5885**.

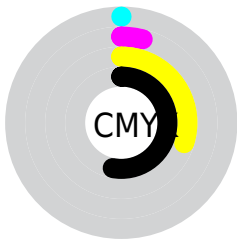
Distribution



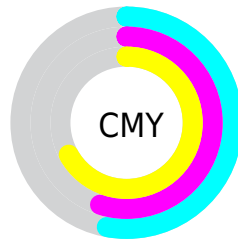
- Red (47%)
- Green (45%)
- Blue (33%)



- Red (35%)
- Yellow (47%)
- Blue (33%)



- Cyan (0%)
- Magenta (4%)
- Yellow (30%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4767, 16.8946, 10.8328 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 15.4767, 16.8946, 10.8328 by changing the saturation by 10% instead.

■ 15.4767, 16.8946,
10.8328

■ 15.4767, 16.8946,
10.8328

219.5653,
234.5643, 207.2129

■ 9.2431, 10.1594,
5.8418

■ 35.2521, 38.1445,
27.9825

■ 4.9585, 5.5048,
2.6819

■ 49.5247, 53.4279,
40.9782

■ 2.2574, 2.5464,
0.9343

■ 67.2076, 72.3295,
57.4792

■ 0.7727, 0.8998,
0.0000

■ 88.6663, 95.2337,
77.9041

■ 0.0000, 0.0000,
0.0000

■ 114.2661,
122.5249, 102.6714

144.3722,

154.5875, 132.1996

179.3502,
191.8058, 166.9073

■ 15.4767, 16.8946,
10.8328

■ 15.4767, 16.8946,
10.8328

■ 14.8583, 16.3466,
8.5032

■ 16.1799, 17.4832,
13.5885

■ 14.3194, 15.8353,
6.5769

■ 16.9705, 18.1117,
16.7892

■ 13.8558, 15.3596,
5.0308

■ 17.8525, 18.7822,
20.4541

■ 13.4627, 14.9174,
3.8389

■ 18.8293, 19.4963,
24.6010

■ 13.1344, 14.5066,
2.9720

■ 19.9041, 20.2552,
29.2467

■ 12.8645, 14.1245,
2.3961

■ 21.0800, 21.0601,
34.4071

■ 12.6302, 13.7618,
1.9907

■ 22.3598, 21.9123,
40.0975

■ 12.6301, 13.7618,
1.9906

■ 23.7464, 22.8129,
46.3326

■ 25.2424, 23.7629,
53.1263

Harmonies

Analogous

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



17.1303, 16.8946, 11.0834



15.4767, 16.8946, 10.8328



14.0769, 16.8946, 12.3292

Triad

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



15.4767, 16.8946, 10.8328



13.7699, 16.8946, 24.9777



19.2421, 16.8946, 21.5677

Complementary

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



15.4767, 16.8946, 10.8328



10.6187, 10.3855, 19.2143

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.



18.2163, 16.8946, 26.1823



15.4767, 16.8946, 10.8328



15.0310, 16.8946, 28.3725

Square

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



15.4767, 16.8946, 10.8328



13.1373, 16.8946, 20.1320



16.6533, 16.8946, 28.8476



19.3819, 16.8946, 16.7615

Rectangle

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



15.4767, 16.8946, 10.8328



13.4471, 16.8946, 14.2952



16.6533, 16.8946, 28.8476



18.9863, 16.8946, 23.2128

Sweetspot

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



15.4771, 16.8954, 10.8332



29.9629, 31.9442, 30.0012



12.7363, 11.0620, 11.0036



7.0586, 7.5376, 6.9361



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.



15.4771, 16.8954, 10.8332



26.4569, 29.0443, 16.1549



14.4285, 17.2238, 10.9518



4.2626, 4.5436, 4.2768



13.7711, 14.9982, 2.1691



65.2256, 70.6147, 10.1922

Inverse Universe

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



10.6187, 10.3855, 19.2143



16.4605, 15.6523, 33.4067



11.4479, 10.2164, 19.1380



3.8384, 3.9751, 5.0081



3.9043, 1.8911, 19.5445



18.2444, 8.2615, 93.1028

Previews

White Background



This preview shows how the XYZ color 15.4767, 16.8946, 10.8328 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 15.4767, 16.8946, 10.8328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

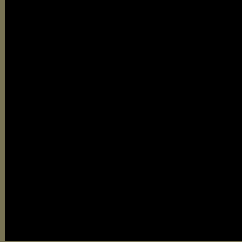
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4767, 16.8946, 10.8328

Background



This preview shows how black text looks on a background with the XYZ color 15.4767, 16.8946, 10.8328.



This preview shows how white text looks on a background with the XYZ color 15.4767, 16.8946,

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

15.4767, 16.8946, 10.8328

Protanopia

15.7859, 16.8857, 10.8148

Deuteranopia

17.2073, 16.9586, 10.9608



Tritanopia

17.2179, 16.7689, 19.7820

Trichromacy



Original Color

15.4767, 16.8946, 10.8328

Protanomaly

15.6436, 16.8123, 10.8081

Deuteranomaly

16.6398, 16.9900, 10.9967

Tritanomaly

16.5641, 16.8399, 16.0131

Monochromacy



Original Color

15.4767, 16.8946, 10.8328

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6180, 16.7069, 14.9720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4767, 16.8946, 10.8328 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(120, 115, 84)` looks like.

```
.text, #text, p{  
    color:rgb(120, 115, 84)  
}
```

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(120, 115, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 115, 84) }
```

Border

The CSS property to change the border of an element to XYZ 15.4767, 16.8946, 10.8328 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(120, 115, 84) }
```


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

```
.border{ border-color:rgb(120, 115, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 115, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 115, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 115, 84);  
box-shadow:4px 4px 4px 4px rgb(120, 115,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4767, 16.8946, 10.8328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 115, 84) }
```

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

```
.background{ background-color: rgb(120,  
115, 84) }
```

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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