

Converting Colors

XYZ(15.6542, 16.4492, 15.1718)

Have a look what the booklet for
XYZ(15.6542, 16.4492, 15.1718)
contains.

XYZ(15.5785, 16.3495, 15.1667)	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(15.5785, 16.3495,
15.1667)**

Conversions

Conversions Part 1

Format	Color
Hex	757067
RGB	117, 112, 103
RGB Percent	46%, 44%, 40%
CMY	0.5412, 0.5608, 0.5961
CMYK	0.00, 0.04, 0.12, 0.54
HSL	39°, 6%, 43%
HSV	39°, 12%, 46%
XYZ	15.5785, 16.3495, 15.1667
YIQ	112.4690, 5.8690, -1.7390

Conversions

Conversions Part 2

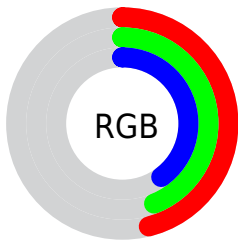
Format	Color
R_{YB}	111, 117, 103
Decimal	7696487
CIE Lab	47.43, 0.23, 5.69
CIE LCh	47, 5.691, 87.711
Yxy	16.3495, 0.3308, 0.3472
Android (android.graphics.Color)	4285886567 (0xFF757067)
YUV	112.4690, -4.6682, 3.9737
Hunter-Lab	40.4345, -1.9884, 6.0649

Details

The XYZ color **15.5785, 16.3495, 15.1667** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.1670, 14.8929, 18.9578**, and the grayscale version is **15.5515, 16.3614, 17.8175**.

A 20% lighter version of the original color is **35.4704, 37.3190, 35.9057**, and **5.0014, 5.2175, 4.4849** is the 20% darker color. If you saturate the color by 10%, you get **14.5818, 15.2309, 12.1371**, and if you desaturate by 10%, it is **16.6797, 17.5452, 18.6371**.

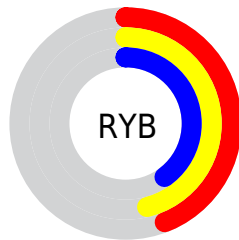
Distribution



Red (46%)

Green (44%)

Blue (40%)



Red (44%)

Yellow (46%)

Blue (40%)

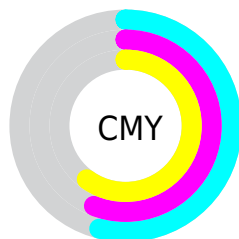


Cyan (0%)

Magenta (4%)

Yellow (12%)

Black (54%)



Cyan (54%)

Magenta (56%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5785, 16.3495, 15.1667 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 15.5785, 16.3495, 15.1667 by changing the saturation by 10% instead.

■ 15.5785, 16.3495,
15.1667

■ 15.5785, 16.3495,
15.1667

220.1611,
231.3953, 236.0484

■ 9.3153, 9.7718,
8.7885

■ 35.4283, 37.2039,
35.8918

■ 5.0062, 5.2479,
4.5086

■ 49.7456, 52.2494,
51.0758

■ 2.2857, 2.3935,
1.9083

■ 67.4784, 70.8863,
70.0322

■ 0.7873, 0.8225,
0.4980

■ 88.9919, 93.4989,
93.1795

■ 0.0000, 0.0000,
0.0000

114.6516,
120.4718, 120.9362

144.8228,

152.1892, 153.7209

179.8709,
189.0356, 191.9521

■ 15.5785, 16.3495,
15.1667

■ 15.5785, 16.3495,
15.1667

■ 14.5818, 15.2309,
12.1371

■ 16.6797, 17.5452,
18.6371

■ 13.6845, 14.1853,
9.5291

■ 17.8876, 18.8176,
22.5641

■ 12.8833, 13.2114,
7.3240

■ 19.2058, 20.1694,
26.9641

■ 12.1738, 12.3071,
5.5010

■ 20.6375, 21.6020,
31.8523

■ 11.5515, 11.4699,
4.0376

■ 22.1858, 23.1173,
37.2433

■ 11.0113, 10.6974,
2.9087

■ 23.8535, 24.7167,
43.1511

■ 10.5477, 9.9869,
2.0861

■ 25.6434, 26.4018,
49.5890

■ 10.1540, 9.3351,
1.5366

■ 27.5582, 28.1741,
56.5700

■ 9.8680, 8.8454,
1.1872

■ 29.6006, 30.0349,
64.1066

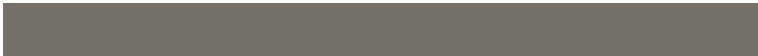
Harmonies

Analogous

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



16.0639, 16.3495, 15.5542



15.5785, 16.3495, 15.1667



15.0928, 16.3495, 15.4530

Triad

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



15.5785, 16.3495, 15.1667



14.6963, 16.3495, 19.1257



16.3746, 16.3495, 19.3281

Complementary

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



15.5785, 16.3495, 15.1667



14.1670, 14.8929, 18.9578

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.



15.9954, 16.3495, 20.3774



15.5785, 16.3495, 15.1667



15.0271, 16.3495, 20.2562

Square

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



15.5785, 16.3495, 15.1667



14.5901, 16.3495, 17.6911



15.5010, 16.3495, 20.7258



16.5297, 16.3495, 17.9131

Rectangle

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



15.5785, 16.3495, 15.1667



14.8328, 16.3495, 15.9965



15.5010, 16.3495, 20.7258



16.2687, 16.3495, 19.7381

Sweetspot

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



15.5789, 16.3502, 15.1670



29.4308, 30.9489, 31.9770



14.9005, 14.5682, 16.2515



6.7374, 7.0842, 7.2593



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.



15.5789, 16.3502, 15.1670



27.4524, 28.7856, 25.7887



15.8975, 17.3560, 15.3444



3.8619, 4.0568, 3.9218



10.8573, 9.7159, 1.3031



52.0781, 45.6848, 6.0732

Inverse Universe

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



14.1670, 14.8929, 18.9578



24.4655, 25.7027, 33.8086



13.8715, 13.9803, 18.7973



3.5977, 3.7841, 4.6310



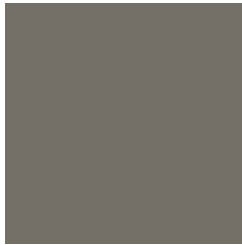
4.4272, 3.1940, 18.9257



20.8301, 14.0767, 91.9795

Previews

White Background



This preview shows how the XYZ color 15.5785, 16.3495, 15.1667 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 15.5785, 16.3495, 15.1667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

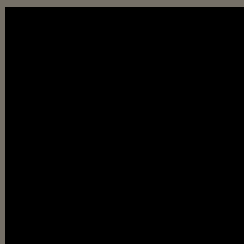
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

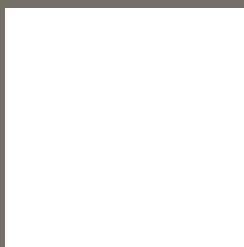
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5785, 16.3495, 15.1667

Background



This preview shows how black text looks on a background with the XYZ color 15.5785, 16.3495, 15.1667.



This preview shows how white text looks on a background with the XYZ color 15.5785, 16.3495,

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

15.5785, 16.3495, 15.1667

Protanopia

15.5785, 16.3495, 15.1667

Deuteranopia

16.7197, 16.4488, 15.3904



Tritanopia

16.4537, 16.3818, 19.4343

Trichromacy



Original Color

15.5785, 16.3495, 15.1667

Protanomaly

15.5785, 16.3495, 15.1667

Deuteranomaly

16.2430, 16.3623, 15.3988

Tritanomaly

16.1363, 16.4127, 17.9403

Monochromacy



Original Color

15.5785, 16.3495, 15.1667

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.4939, 16.2699, 16.7918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5785, 16.3495, 15.1667 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(117, 112, 103)` looks like.

```
.text, #text, p{  
    color:rgb(117, 112, 103)  
}
```

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(117, 112, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 112, 103) }
```

Border

The CSS property to change the border of an element to XYZ 15.5785, 16.3495, 15.1667 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(117, 112, 103) }
```


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

```
.border{ border-color:rgb(117, 112, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 112, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 112, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 112, 103);  
box-shadow:4px 4px 4px 4px rgb(117, 112,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5785, 16.3495, 15.1667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 112, 103) }
```

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

```
.background{ background-color: rgb(117,  
112, 103) }
```

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