

Converting Colors

XYZ(16.8255, 16.6131, 18.8278)

Have a look what the booklet for
XYZ(16.8255, 16.6131, 18.8278)
contains.

XYZ(16.7544, 16.5504, 18.8345)	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(16.7544, 16.5504,
18.8345)**

Conversions

Conversions Part 1

Format	Color
Hex	7A6E74
RGB	122, 110, 116
RGB Percent	48%, 43%, 45%
CMY	0.5216, 0.5686, 0.5451
CMYK	0.00, 0.10, 0.05, 0.52
HSL	330°, 5%, 45%
HSV	330°, 10%, 48%
XYZ	16.7544, 16.5504, 18.8345
YIQ	114.2720, 5.2260, 4.4100

Conversions

Conversions Part 2

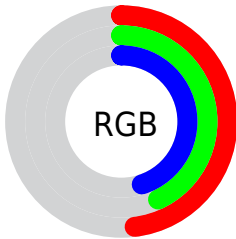
Format	Color
R_{YB}	122, 110, 116
Decimal	8023668
CIE Lab	47.69, 5.83, -1.63
CIE LCh	48, 6.054, 344.391
Yxy	16.5504, 0.3213, 0.3174
Android (android.graphics.Color)	4286213748 (0xFF7A6E74)
YUV	114.2720, 0.8519, 6.7775
Hunter-Lab	40.6822, 2.3190, 1.0282

Details

The XYZ color **16.7544, 16.5504, 18.8345** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5430, 18.4955, 19.2221**, and the grayscale version is **16.0727, 16.9098, 18.4147**.

A 20% lighter version of the original color is **37.4438, 37.6665, 42.3426**, and **5.5137, 5.2791, 6.1972** is the 20% darker color. If you saturate the color by 10%, you get **15.1845, 13.9598, 16.6174**, and if you desaturate by 10%, it is **18.5299, 19.5143, 21.2355**.

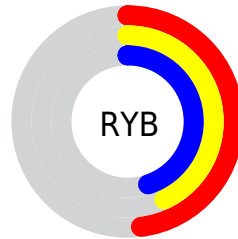
Distribution



Red (48%)

Green (43%)

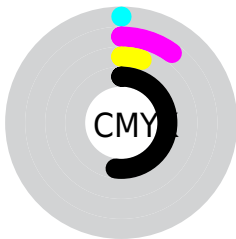
Blue (45%)



Red (48%)

Yellow (43%)

Blue (45%)

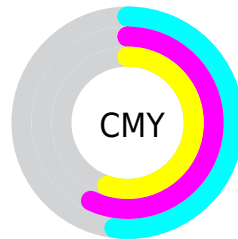


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (52%)



Cyan (52%)

Magenta (57%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7544, 16.5504, 18.8345 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 16.7544, 16.5504, 18.8345 by changing the saturation by 10% instead.

■ 16.7544, 16.5504,
18.8345

■ 16.7544, 16.5504,
18.8345

226.9370,
232.5680, 257.9258

■ 10.1538, 9.9145,
11.3752

■ 37.4500, 37.5511,
42.2872

■ 5.5641, 5.3423,
6.2024

■ 52.2756, 52.6847,
59.1177

■ 2.6200, 2.4495,
2.8978

■ 70.5737, 71.4196,
79.9089

■ 0.9562, 0.8512,
1.0427

■ 92.7094, 94.1402,
105.0795

■ 0.0000, 0.0000,
0.0000

119.0483,
121.2310, 135.0479

149.9556,

153.0763, 170.2327

185.7967,
190.0605, 211.0525

■ 16.7544, 16.5504,
18.8345

■ 16.7544, 16.5504,
18.8345

■ 15.1845, 13.9598,
16.6174

■ 18.5299, 19.5143,
21.2355

■ 13.8108, 11.7253,
14.5784

■ 20.5168, 22.8634,
23.8240

■ 12.6256, 9.8320,
12.7127

■ 22.7227, 26.6117,
26.6048

■ 11.6199, 8.2625,
11.0152

■ 25.1542, 30.7718,
29.5819

■ 10.7840, 6.9982,
9.4801

■ 27.8176, 35.3559,
32.7597

■ 10.1073, 6.0188,
8.1014

■ 30.7192, 40.3757,
36.1419

■ 9.5777, 5.3009,
6.8726

■ 33.8647, 45.8422,
39.7325

■ 9.1814, 4.8180,
5.7863

■ 37.2599, 51.7662,
43.5352

■ 8.8731, 4.4799,
4.8246

■ 40.9103, 58.1581,
47.5536

Harmonies

Analogous

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



16.4700, 16.5504, 20.2354



16.7544, 16.5504, 18.8345



16.7604, 16.5504, 17.2899

Triad

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



16.7544, 16.5504, 18.8345



15.4734, 16.5504, 15.2851



14.9987, 16.5504, 20.1870

Complementary

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



16.7544, 16.5504, 18.8345



16.5430, 18.4955, 19.2221

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.



14.7440, 16.5504, 18.7715



16.7544, 16.5504, 18.8345



15.0138, 16.5504, 15.9736

Square

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



16.7544, 16.5504, 18.8345



16.0123, 16.5504, 15.2998



14.7495, 16.5504, 17.2304



15.4523, 16.5504, 21.0462

Rectangle

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



16.7544, 16.5504, 18.8345



16.6052, 16.5504, 16.3890



14.7495, 16.5504, 17.2304



14.8874, 16.5504, 19.7570

Sweetspot

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



16.7549, 16.5511, 18.8349



31.5477, 32.5699, 35.9557



16.2919, 16.2708, 20.6946



7.1615, 7.3603, 8.1515



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.



16.7549, 16.5511, 18.8349



28.7653, 27.9391, 32.1484



16.4171, 16.4160, 17.0560



4.0741, 4.0454, 4.5877



9.3324, 4.7091, 5.0413



44.0869, 22.2911, 21.7854

Inverse Universe

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



16.7549, 16.5511, 18.8349



28.7653, 27.9391, 32.1484



16.9034, 18.6397, 21.1196



4.0741, 4.0454, 4.5877



9.3324, 4.7091, 5.0413



44.0869, 22.2911, 21.7854

Previews

White Background



This preview shows how the XYZ color 16.7544, 16.5504, 18.8345 looks on a white background.

Color Contrast Check

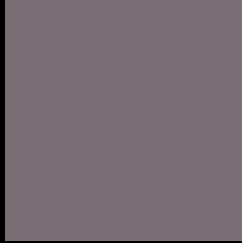
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7544, 16.5504, 18.8345 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 16.7544, 16.5504, 18.8345

Background



This preview shows how black text looks on a background with the XYZ color 16.7544, 16.5504, 18.8345.



This preview shows how white text looks on a background with the XYZ color 16.7544, 16.5504,

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

16.7544, 16.5504, 18.8345

Protanopia

16.1146, 16.6957, 19.5128

Deuteranopia

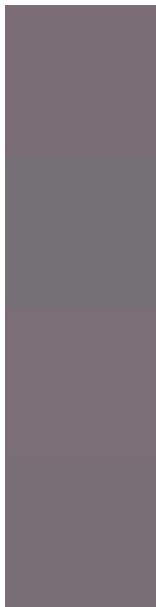
16.8967, 16.6238, 18.8412



Tritanopia

16.8720, 16.5974, 19.4539

Trichromacy



Original Color

16.7544, 16.5504, 18.8345

Protanomaly

16.3412, 16.6546, 19.1830

Deuteranomaly

16.8967, 16.6238, 18.8412

Tritanomaly

16.8129, 16.5738, 19.1425

Monochromacy



Original Color

16.7544, 16.5504, 18.8345

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.3358, 16.8300, 18.6072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7544, 16.5504, 18.8345 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(122, 110, 116)` looks like.

```
.text, #text, p{  
    color:rgb(122, 110, 116)  
}
```

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(122, 110, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 110, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.7544, 16.5504, 18.8345 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(122, 110, 116) }
```


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

```
.border{ border-color:rgb(122, 110, 116) }
```

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

Here you see how a box with a 4 pixel rgb(122, 110, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 110, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 110, 116);  
box-shadow:4px 4px 4px 4px rgb(122, 110,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7544, 16.5504, 18.8345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 110, 116) }
```

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

```
.background{ background-color: rgb(122,  
110, 116) }
```

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