

Converting Colors

XYZ(16.7615, 18.2729, 16.7941)

Have a look what the booklet for
XYZ(16.7615, 18.2729, 16.7941)
contains.

XYZ(16.7594, 18.2976, 16.8358)	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(16.7594, 18.2976,
16.8358)**

Conversions

Conversions Part 1

Format	Color
Hex	75786C
RGB	117, 120, 108
RGB Percent	46%, 47%, 42%
CMY	0.5412, 0.5294, 0.5765
CMYK	0.03, 0.00, 0.10, 0.53
HSL	75°, 5%, 45%
HSV	75°, 10%, 47%
XYZ	16.7594, 18.2976, 16.8358
YIQ	117.7350, 2.0640, -4.3680

Conversions

Conversions Part 2

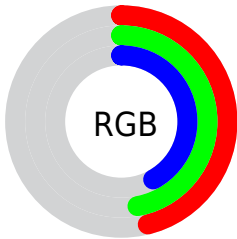
Format	Color
R_{YB}	108, 120, 111
Decimal	7698540
CIE _{Lab}	49.86, -3.48, 6.20
CIE _{LCh}	50, 7.107, 119.322
Yxy	18.2976, 0.3230, 0.3526
Android (android.graphics.Color)	4285888620 (0xFF75786C)
YUV	117.7350, -4.7994, -0.6446
Hunter-Lab	42.7757, -4.9217, 6.6074

Details

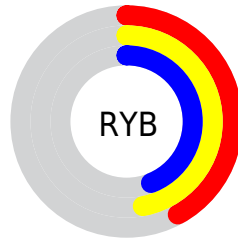
The XYZ color **16.7594, 18.2976, 16.8358** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3090, 15.4612, 19.9477**, and the grayscale version is **17.1516, 18.0448, 19.6508**.

A 20% lighter version of the original color is **37.3727, 40.4433, 38.6375**, and **5.6139, 6.2369, 5.3228** is the 20% darker color. If you saturate the color by 10%, you get **15.7675, 17.8556, 13.6819**, and if you desaturate by 10%, it is **17.8532, 18.7831, 20.4542**.

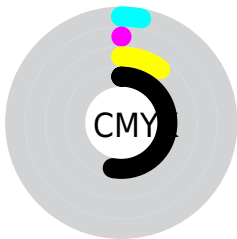
Distribution



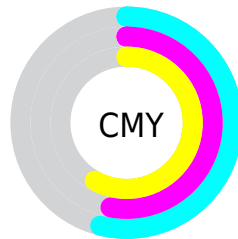
- Red (46%)
- Green (47%)
- Blue (42%)



- Red (42%)
- Yellow (47%)
- Blue (44%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7594, 18.2976, 16.8358 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 16.7594, 18.2976, 16.8358 by changing the saturation by 10% instead.

■ 16.7594, 18.2976,
16.8358

■ 16.7594, 18.2976,
16.8358

226.9654,
242.5432, 246.2362

■ 10.1573, 11.1639,
9.9568

■ 37.4585, 40.5438,
38.8300

■ 5.5665, 6.1772,
5.2651

■ 52.2863, 56.4250,
54.7823

■ 2.6214, 2.9531,
2.3422

■ 70.5867, 75.9909,
74.5961

■ 0.9569, 1.1073,
0.7547

■ 92.7251, 99.6257,
98.6898

■ 0.0000, 0.0000,
0.0000

119.0668,
127.7140, 127.4822

149.9772,

160.6400, 161.3917

185.8216,
198.7883, 200.8369

■ 16.7594, 18.2976,
16.8358

■ 16.7594, 18.2976,
16.8358

■ 15.7675, 17.8556,
13.6819

■ 17.8532, 18.7831,
20.4542

■ 14.8723, 17.4531,
10.9725

■ 19.0508, 19.3110,
24.5536

■ 14.0703, 17.0894,
8.6879

■ 20.3561, 19.8835,
29.1513

■ 13.3574, 16.7628,
6.8064

■ 21.7723, 20.5018,
34.2632

■ 12.7289, 16.4714,
5.3046

■ 23.3022, 21.1673,
39.9045

■ 12.1797, 16.2131,
4.1565

■ 24.9489, 21.8810,
46.0900

■ 11.7043, 15.9858,
3.3328

■ 26.7151, 22.6440,
52.8336

■ 11.2960, 15.7867,
2.7995

■ 28.6035, 23.4576,
60.1491

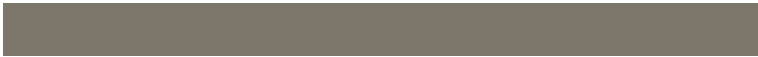
■ 10.9318, 15.6066,
2.4362

■ 30.6166, 24.3226,
68.0493

Harmonies

Analogous

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



17.4068, 18.2976, 16.4112



16.7594, 18.2976, 16.8358



16.2918, 18.2976, 18.0744

Triad

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



16.7594, 18.2976, 16.8358



16.7333, 18.2976, 23.3170



18.7306, 18.2976, 19.9673

Complementary

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



16.7594, 18.2976, 16.8358



15.3090, 15.4612, 19.9477

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.



18.5392, 18.2976, 21.8935



16.7594, 18.2976, 16.8358



17.3759, 18.2976, 23.9030

Square

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



16.7594, 18.2976, 16.8358



16.2770, 18.2976, 21.8119



18.0389, 18.2976, 23.3662



18.5553, 18.2976, 18.1464

Rectangle

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



16.7594, 18.2976, 16.8358



16.1389, 18.2976, 19.2377



18.0389, 18.2976, 23.3662



18.7069, 18.2976, 20.6243

Sweetspot

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



16.7599, 18.2984, 16.8362



30.7889, 32.7644, 33.9300



16.1376, 16.4452, 16.5113



7.2634, 7.7501, 7.9302



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.



16.7599, 18.2984, 16.8362



29.0605, 31.9969, 28.2677



15.9794, 17.8960, 16.7997



4.2145, 4.5859, 4.2875



11.9121, 17.0181, 2.6570



56.0128, 80.7611, 12.6363

Inverse Universe

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



15.3090, 15.4612, 19.9477



25.9707, 25.9548, 34.8940



16.0895, 15.8635, 19.9843



3.8829, 3.9375, 4.9985



4.2713, 1.7747, 19.5027



19.7016, 8.1185, 92.9984

Previews

White Background



This preview shows how the XYZ color 16.7594, 18.2976, 16.8358 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 16.7594, 18.2976, 16.8358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

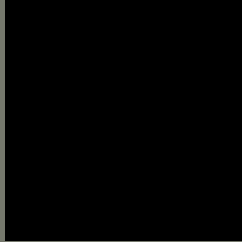
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

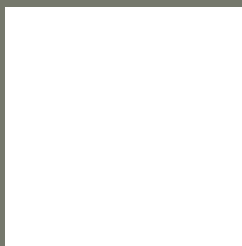
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7594, 18.2976, 16.8358

Background



This preview shows how black text looks on a background with the XYZ color 16.7594, 18.2976, 16.8358.



This preview shows how white text looks on a background with the XYZ color 16.7594, 18.2976,

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

16.7594, 18.2976, 16.8358

Protanopia

17.3007, 18.2294, 16.5167

Deuteranopia

18.4505, 18.1253, 16.9941



Tritanopia

17.9378, 18.2480, 22.6555

Trichromacy



Original Color

16.7594, 18.2976, 16.8358

Protanomaly

17.1358, 18.3201, 16.5429

Deuteranomaly

17.7581, 18.1069, 17.0270

Tritanomaly

17.4763, 18.2349, 20.3679

Monochromacy



Original Color

16.7594, 18.2976, 16.8358

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1053, 18.2601, 18.5426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7594, 18.2976, 16.8358 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, 120, 108)` looks like.

```
.text, #text, p{  
    color:rgb(117, 120, 108)  
}
```

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, 120, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 120, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.7594, 18.2976, 16.8358 is called "border". The border property can be set on classes, ids or directly on the HTML element.

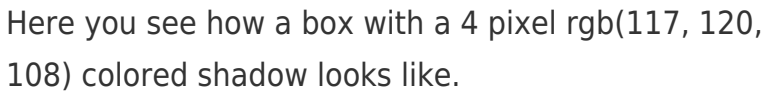
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 120, 108) }
```


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

```
.border{ border-color:rgb(117, 120, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 120, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 120, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 120, 108); box-shadow:4px 4px 4px 4px rgb(117, 120, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7594, 18.2976, 16.8358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 120, 108) }
```

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

```
.background{ background-color: rgb(117,  
120, 108) }
```

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