

Converting Colors

XYZ(17.0039, 18.2207, 16.7706)

Have a look what the booklet for
XYZ(17.0039, 18.2207, 16.7706)
contains.

XYZ(17.0493, 18.2694, 16.8151)	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(17.0493, 18.2694,
16.8151)**

Conversions

Conversions Part 1

Format	Color
Hex	78776C
RGB	120, 119, 108
RGB Percent	47%, 47%, 42%
CMY	0.5294, 0.5333, 0.5765
CMYK	0.00, 0.01, 0.10, 0.53
HSL	55°, 5%, 45%
HSV	55°, 10%, 47%
XYZ	17.0493, 18.2694, 16.8151
YIQ	118.0450, 4.1270, -3.2090

Conversions

Conversions Part 2

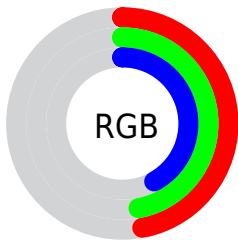
Format	Color
RYB	109, 120, 108
Decimal	7894892
CIELab	49.82, -1.73, 6.18
CIElCh	50, 6.419, 105.609
Yxy	18.2694, 0.3270, 0.3504
Android (android.graphics.Color)	4286084972 (0xFF78776C)
YUV	118.0450, -4.9522, 1.7145
Hunter-Lab	42.7427, -3.5993, 6.5951

Details

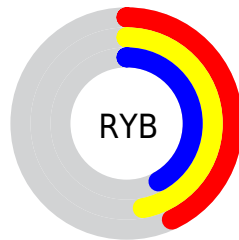
The XYZ color **17.0493, 18.2694, 16.8151** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.0431, 15.4812, 19.9648**, and the grayscale version is **17.2485, 18.1467, 19.7618**.

A 20% lighter version of the original color is **37.8342, 40.3997, 38.6047**, and **5.7680, 6.2211, 5.3117** is the 20% darker color. If you saturate the color by 10%, you get **16.3362, 17.7958, 13.6405**, and if you desaturate by 10%, it is **17.8525, 18.7823, 20.4540**.

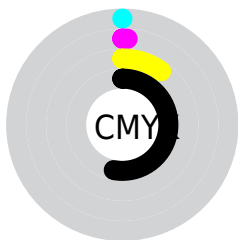
Distribution



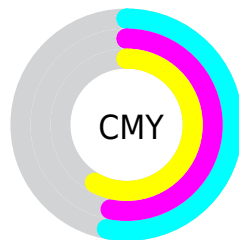
- Red (47%)
- Green (47%)
- Blue (42%)



- Red (43%)
- Yellow (47%)
- Blue (42%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0493, 18.2694, 16.8151 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 17.0493, 18.2694, 16.8151 by changing the saturation by 10% instead.

■ 17.0493, 18.2694,
16.8151

■ 17.0493, 18.2694,
16.8151

228.6070,
242.3852, 246.1124

■ 10.3652, 11.1436,
9.9422

■ 37.9534, 40.4958,
38.7939

■ 5.7059, 6.1635,
5.2555

■ 52.9042, 56.3653,
54.7368

■ 2.7060, 2.9447,
2.3366

■ 71.3411, 75.9180,
74.5402

■ 1.0003, 1.1030,
0.7516

■ 93.6297, 99.5384,
98.6225

■ 0.0000, 0.0000,
0.0000

120.1352,
127.6110, 127.4024

151.2230,

160.5200, 161.2983

187.2585,
198.6499, 200.7288

■ 17.0493, 18.2694,
16.8151

■ 17.0493, 18.2694,
16.8151

■ 16.3362, 17.7958,
13.6405

■ 17.8525, 18.7823,
20.4540

■ 15.7083, 17.3577,
10.9101

■ 18.7478, 19.3333,
24.5737

■ 15.1621, 16.9542,
8.6044

■ 19.7389, 19.9247,
29.1915

■ 14.6936, 16.5838,
6.7016

■ 20.8287, 20.5576,
34.3232

■ 14.2984, 16.2446,
5.1783

■ 22.0202, 21.2332,
39.9842

■ 13.9714, 15.9348,
4.0085

■ 23.3162, 21.9526,
46.1890

■ 13.7071, 15.6519,
3.1629

■ 24.7194, 22.7169,
52.9518

■ 13.4991, 15.3936,
2.6076

■ 26.2322, 23.5271,
60.2862

■ 13.3245, 15.1505,
2.2221

■ 27.8573, 24.3843,
68.2050

Harmonies

Analogous

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



17.6591, 18.2694, 16.7985



17.0493, 18.2694, 16.8151



16.5358, 18.2694, 17.6231

Triad

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



17.0493, 18.2694, 16.8151



16.5530, 18.2694, 22.4032



18.5314, 18.2694, 20.7431

Complementary

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



17.0493, 18.2694, 16.8151



15.0431, 15.4812, 19.9648

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.



18.2205, 18.2694, 22.3483



17.0493, 18.2694, 16.8151



17.0732, 18.2694, 23.3443

Square

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



17.0493, 18.2694, 16.8151



16.2539, 18.2694, 20.8144



17.6836, 18.2694, 23.3237



18.5246, 18.2694, 18.9977

Rectangle

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



17.0493, 18.2694, 16.8151



16.3130, 18.2694, 18.5306



17.6836, 18.2694, 23.3237



18.4602, 18.2694, 21.3191

Sweetspot

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



17.0498, 18.2702, 16.8155



30.9482, 32.7504, 33.9189



15.8688, 15.8226, 16.6859



7.3099, 7.7460, 7.9269



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.



17.0498, 18.2702, 16.8155



29.6858, 31.9366, 28.2231



16.4937, 18.1607, 16.8237



4.2806, 4.5797, 4.2828



14.5312, 16.5184, 2.4225



69.0144, 78.1922, 11.4552

Inverse Universe

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



15.0431, 15.4812, 19.9648



25.4113, 25.9959, 34.9315



15.5630, 15.5922, 19.9588



3.8220, 3.9422, 5.0027



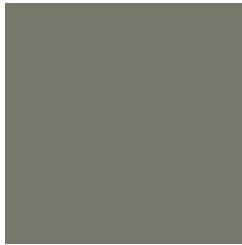
3.8112, 1.7049, 19.5135



17.9100, 7.5926, 92.9913

Previews

White Background



This preview shows how the XYZ color 17.0493, 18.2694, 16.8151 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 17.0493, 18.2694, 16.8151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

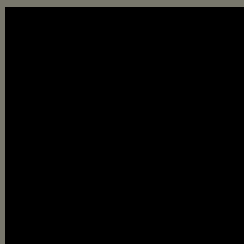
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

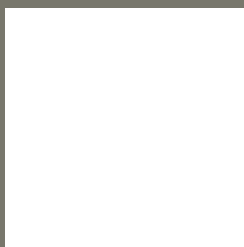
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0493, 18.2694, 16.8151

Background



This preview shows how black text looks on a background with the XYZ color 17.0493, 18.2694, 16.8151.



This preview shows how white text looks on a background with the XYZ color 17.0493, 18.2694,

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

17.0493, 18.2694, 16.8151

Protanopia

17.3007, 18.2294, 16.5167

Deuteranopia

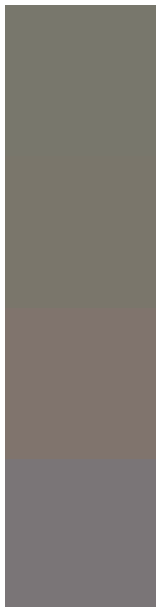
18.4505, 18.1253, 16.9941



Tritanopia

18.1797, 18.2081, 22.2950

Trichromacy



Original Color

17.0493, 18.2694, 16.8151

Protanomaly

17.1583, 18.1560, 16.5100

Deuteranomaly

17.9078, 18.1841, 17.0340

Tritanomaly

17.7171, 18.1921, 20.0304

Monochromacy



Original Color

17.0493, 18.2694, 16.8151

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1234, 18.0937, 18.5095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0493, 18.2694, 16.8151 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, 119, 108)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 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(120, 119, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 108) }
```

Border

The CSS property to change the border of an element to XYZ 17.0493, 18.2694, 16.8151 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, 119, 108) }
```


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

```
.border{ border-color:rgb(120, 119, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 119, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 119, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 119, 108);  
box-shadow:4px 4px 4px 4px rgb(120, 119,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0493, 18.2694, 16.8151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 108) }
```

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

```
.background{ background-color: rgb(120,  
119, 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