

Converting Colors

XYZ(16.9244, 18.6153, 16.7689)

Have a look what the booklet for
XYZ(16.9244, 18.6153, 16.7689)
contains.

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Color

**XYZ(16.8803, 18.5394,
16.8761)**

Conversions

Conversions Part 1

Format	Color
Hex	75796C
RGB	117, 121, 108
RGB Percent	46%, 47%, 42%
CMY	0.5412, 0.5255, 0.5765
CMYK	0.03, 0.00, 0.11, 0.53
HSL	78°, 6%, 45%
HSV	78°, 11%, 47%
XYZ	16.8803, 18.5394, 16.8761
YIQ	118.3220, 1.7890, -4.8910

Conversions

Conversions Part 2

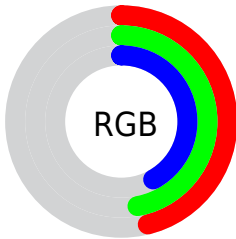
Format	Color
R _Y B	108, 121, 112
Decimal	7698796
CIE Lab	50.14, -4.05, 6.61
CIE LCh	50, 7.753, 121.517
Yxy	18.5394, 0.3228, 0.3545
Android (android.graphics.Color)	4285888876 (0xFF75796C)
YUV	118.3220, -5.0887, -1.1594
Hunter-Lab	43.0574, -5.3710, 6.9018

Details

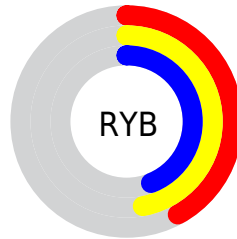
The XYZ color **16.8803, 18.5394, 16.8761** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4965, 15.5508, 20.2750**, and the grayscale version is **17.3364, 18.2392, 19.8625**.

A 20% lighter version of the original color is **37.5638, 40.8254, 38.7011**, and **5.6791, 6.3672, 5.3446** is the 20% darker color. If you saturate the color by 10%, you get **15.7901, 18.0473, 13.6936**, and if you desaturate by 10%, it is **18.0808, 19.0792, 20.5312**.

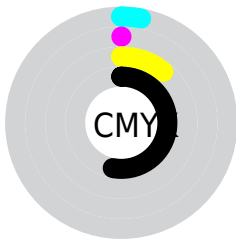
Distribution



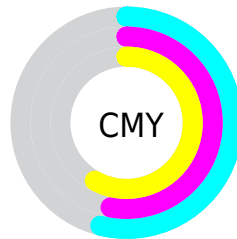
- Red (46%)
- Green (47%)
- Blue (42%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (11%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8803, 18.5394, 16.8761 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 16.8803, 18.5394, 16.8761 by changing the saturation by 10% instead.

■ 16.8803, 18.5394,
16.8761

■ 16.8803, 18.5394,
16.8761

227.6514,
243.8940, 246.4771

■ 10.2440, 11.3379,
9.9852

■ 37.6651, 40.9543,
38.9004

■ 5.6245, 6.2946,
5.2836

■ 52.5443, 56.9366,
54.8708

■ 2.6566, 3.0250,
2.3530

■ 70.9017, 76.6146,
74.7047

■ 0.9749, 1.1448,
0.7607

■ 93.1029, 100.3726,
98.8208

■ 0.0000, 0.0159,
0.0000

119.5131,
128.5952, 127.6376

■ 0.0000, 0.0000,
0.0000

150.4976,

161.6668, 161.5735

186.4219,
199.9716, 201.0472

■ 16.8803, 18.5394,
16.8761

■ 16.8803, 18.5394,
16.8761

■ 15.7901, 18.0473,
13.6936

■ 18.0808, 19.0792,
20.5312

■ 14.8049, 17.5988,
10.9631

■ 19.3938, 19.6657,
24.6758

■ 13.9210, 17.1931,
8.6646

■ 20.8233, 20.3011,
29.3277

■ 13.1339, 16.8283,
6.7756

■ 22.3726, 20.9869,
34.5030

■ 12.4388, 16.5025,
5.2721

■ 24.0450, 21.7243,
40.2176

■ 11.8304, 16.2136,
4.1273

■ 25.8434, 22.5145,
46.4863

■ 11.3027, 15.9591,
3.3111

■ 27.7707, 23.3587,
53.3236

■ 10.8488, 15.7362,
2.7883

■ 29.8300, 24.2582,
60.7433

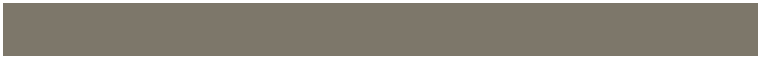
■ 10.4721, 15.5491,
2.4493

■ 32.0238, 25.2140,
68.7589

Harmonies

Analogous

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



17.5831, 18.5394, 16.3441



16.8803, 18.5394, 16.8761



16.3876, 18.5394, 18.2859

Triad

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



16.8803, 18.5394, 16.8761



16.9445, 18.5394, 24.0254



19.0976, 18.5394, 20.0774

Complementary

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



16.8803, 18.5394, 16.8761



15.4965, 15.5508, 20.2750

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.



18.9151, 18.5394, 22.2139



16.8803, 18.5394, 16.8761



17.6592, 18.5394, 24.5878

Square

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



16.8803, 18.5394, 16.8761



16.4239, 18.5394, 22.4158



18.3834, 18.5394, 23.9032



18.8752, 18.5394, 18.1097

Rectangle

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



16.8803, 18.5394, 16.8761



16.2372, 18.5394, 19.5850



18.3834, 18.5394, 23.9032



19.0815, 18.5394, 20.7996

Sweetspot

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



16.8808, 18.5402, 16.8765



31.8577, 33.9315, 35.1622



16.3757, 16.7145, 16.5507



7.2484, 7.7424, 7.9295



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.



16.8808, 18.5402, 16.8765



29.7052, 32.9633, 28.6701



16.0501, 18.1119, 16.8376



4.1934, 4.5750, 4.2865



11.2102, 16.6563, 2.6241



52.5731, 78.9879, 12.4753

Inverse Universe

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



15.4965, 15.5508, 20.2750



26.6833, 26.4372, 36.0894



16.3401, 15.9857, 20.3145



3.9030, 3.9479, 4.9995



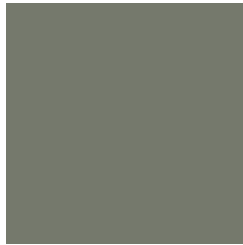
4.5149, 1.9003, 19.5141



20.7602, 8.6643, 93.0480

Previews

White Background



This preview shows how the XYZ color 16.8803, 18.5394, 16.8761 looks on a white 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

Black Background



This preview shows how the XYZ color 16.8803, 18.5394, 16.8761 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

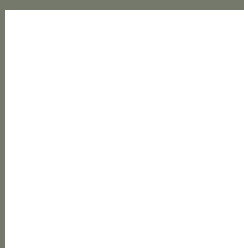
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8803, 18.5394, 16.8761

Background



This preview shows how black text looks on a background with the XYZ color 16.8803, 18.5394, 16.8761.

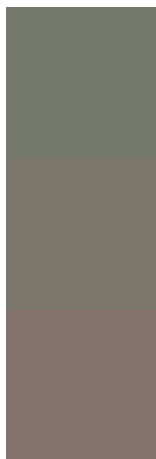


This preview shows how white text looks on a background with the XYZ color 16.8803, 18.5394,

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

16.8803, 18.5394, 16.8761

Protanopia

17.5628, 18.5403, 16.5629

Deuteranopia

18.7226, 18.4339, 17.0393



Tritanopia

18.1204, 18.5084, 23.0395

Trichromacy



Original Color

16.8803, 18.5394, 16.8761

Protanomaly

17.2555, 18.5594, 16.5828

Deuteranomaly

18.0237, 18.4159, 17.0727

Tritanomaly

17.6558, 18.4961, 20.7287

Monochromacy



Original Color

16.8803, 18.5394, 16.8761

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 16.8803, 18.5394, 16.8761 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, 121, 108)` looks like.

```
.text, #text, p{  
    color:rgb(117, 121, 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, 121, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 121, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.8803, 18.5394, 16.8761 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, 121, 108) }
```


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

```
.border{ border-color:rgb(117, 121, 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, 121, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 121, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 121, 108); box-shadow:4px 4px 4px 4px rgb(117, 121, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8803, 18.5394, 16.8761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 121, 108) }
```

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

```
.background{ background-color: rgb(117,  
121, 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](#).

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