

Converting Colors

XYZ(18.4857, 19.7009, 16.3373)

Have a look what the booklet for
XYZ(18.4857, 19.7009, 16.3373)
contains.

XYZ(18.5866, 19.7957, 16.4770)	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(18.5866, 19.7957,
16.4770)**

Conversions

Conversions Part 1

Format	Color
Hex	807B6A
RGB	128, 123, 106
RGB Percent	50%, 48%, 42%
CMY	0.4980, 0.5176, 0.5843
CMYK	0.00, 0.04, 0.17, 0.50
HSL	46°, 9%, 46%
HSV	46°, 17%, 50%
XYZ	18.5866, 19.7957, 16.4770
YIQ	122.5570, 8.4370, -4.2270

Conversions

Conversions Part 2

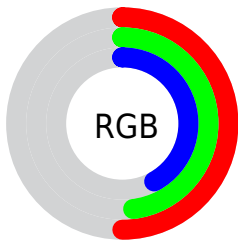
Format	Color
RYB	112, 128, 106
Decimal	8420202
CIELab	51.61, -1.19, 9.98
CIELCh	52, 10.053, 96.770
Yxy	19.7957, 0.3388, 0.3608
Android (android.graphics.Color)	4286610282 (0xFF807B6A)
YUV	122.5570, -8.1626, 4.7735
Hunter-Lab	44.4924, -3.2936, 9.1876

Details

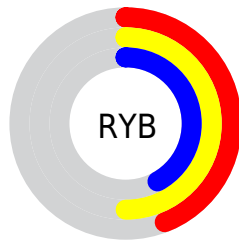
The XYZ color **18.5866, 19.7957, 16.4770** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.5246, 15.9914, 22.6908**, and the grayscale version is **18.7054, 19.6796, 21.4311**.

A 20% lighter version of the original color is **40.4718, 42.9180, 38.0492**, and **6.4626, 6.8756, 5.1242** is the 20% darker color. If you saturate the color by 10%, you get **17.6149, 18.8390, 13.1105**, and if you desaturate by 10%, it is **19.6695, 20.8153, 20.3713**.

Distribution



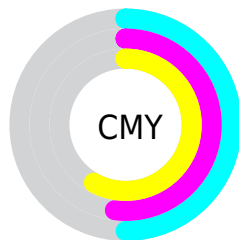
- Red (50%)
- Green (48%)
- Blue (42%)



- Red (44%)
- Yellow (50%)
- Blue (42%)



- Cyan (0%)
- Magenta (4%)
- Yellow (17%)
- Black (50%)



- Cyan (50%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5866, 19.7957, 16.4770 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 18.5866, 19.7957, 16.4770 by changing the saturation by 10% instead.

■ 18.5866, 19.7957,
16.4770

■ 18.5866, 19.7957,
16.4770

237.1391,
250.8070, 244.0812

■ 11.4742, 12.2466,
9.7043

■ 40.5567, 43.0744,
38.2026

■ 6.4564, 6.9119,
5.1003

■ 56.1450, 59.5728,
53.9926

■ 3.1678, 3.4070,
2.2465

■ 75.2894, 79.8231,
73.6254

■ 1.2431, 1.3478,
0.7010

■ 98.3552, 104.2097,
97.5196

■ 0.1400, 0.1777,
0.0000

125.7077,
133.1170, 126.0938

■ 0.0000, 0.0000,
0.0000

157.7123,

166.9294, 159.7664

194.7343,
206.0312, 198.9561

■ 18.5866, 19.7957,
16.4770

■ 18.5866, 19.7957,
16.4770

■ 17.6149, 18.8390,
13.1105

■ 19.6695, 20.8153,
20.3713

■ 16.7482, 17.9407,
10.2475

■ 20.8662, 21.8971,
24.8138

■ 15.9824, 17.0996,
7.8634

■ 22.1812, 23.0436,
29.8254

■ 15.3121, 16.3134,
5.9312

■ 23.6183, 24.2565,
35.4257

■ 14.7318, 15.5797,
4.4213

■ 25.1810, 25.5374,
41.6330

■ 14.2349, 14.8958,
3.3004

■ 26.8728, 26.8878,
48.4650

■ 13.8141, 14.2586,
2.5301

■ 28.6970, 28.3092,
55.9388

■ 13.4543, 13.6618,
2.0313

■ 30.6567, 29.8029,
64.0707

■ 13.3567, 13.4983,
1.9015

■ 32.7552, 31.3703,
72.8763

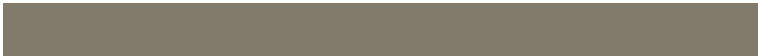
Harmonies

Analogous

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



19.5938, 19.7957, 16.8249



18.5866, 19.7957, 16.4770



17.6735, 19.7957, 17.3884

Triad

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



18.5866, 19.7957, 16.4770



17.2981, 19.7957, 25.0677



20.6619, 19.7957, 23.8294

Complementary

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



18.5866, 19.7957, 16.4770



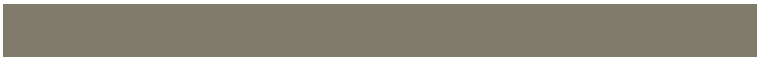
15.5246, 15.9914, 22.6908

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.



20.0051, 19.7957, 26.3371



18.5866, 19.7957, 16.4770



18.0576, 19.7957, 27.0957

Square

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



18.5866, 19.7957, 16.4770



16.9470, 19.7957, 22.2183



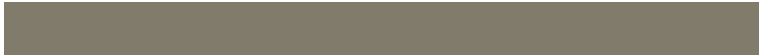
19.0457, 19.7957, 27.5799



20.8159, 19.7957, 20.9034

Rectangle

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



18.5866, 19.7957, 16.4770



17.2329, 19.7957, 18.6402



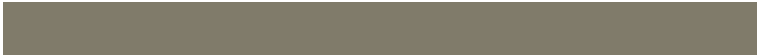
19.0457, 19.7957, 27.5799



20.4915, 19.7957, 24.7569

Sweetspot

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



18.5871, 19.7966, 16.4774



35.0506, 37.0336, 37.4065



16.9330, 16.0482, 17.2829



8.1780, 8.6447, 8.6540



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5871, 19.7966, 16.4774



31.9664, 34.1172, 26.3528



18.3659, 20.6266, 16.6493



4.5851, 4.8590, 4.6163



13.2450, 13.3865, 1.8858



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.5246, 15.9914, 22.6908



25.4221, 25.9865, 39.6323



15.7157, 15.3029, 22.5478



4.1820, 4.3580, 5.4340



4.3019, 2.4224, 20.4908



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.5866, 19.7957, 16.4770 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 18.5866, 19.7957, 16.4770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

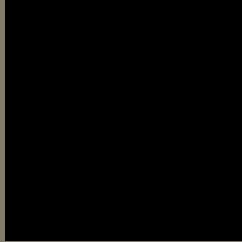
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

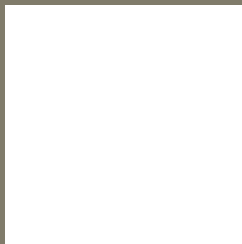
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5866, 19.7957, 16.4770

Background



This preview shows how black text looks on a background with the XYZ color 18.5866, 19.7957, 16.4770.



This preview shows how white text looks on a background with the XYZ color 18.5866, 19.7957,

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

18.5866, 19.7957, 16.4770

Protanopia

18.7377, 19.8737, 16.4841

Deuteranopia

20.1168, 19.6811, 16.6485



Tritanopia

20.0390, 19.8432, 23.5428

Trichromacy



Original Color

18.5866, 19.7957, 16.4770

Protanomaly

18.7377, 19.8737, 16.4841

Deuteranomaly

19.5237, 19.7287, 16.6889

Tritanomaly

19.4945, 19.8010, 20.8837

Monochromacy



Original Color

18.5866, 19.7957, 16.4770

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.7513, 19.8102, 19.6651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5866, 19.7957, 16.4770 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(128, 123, 106)` looks like.

```
.text, #text, p{  
    color:rgb(128, 123, 106)  
}
```

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(128, 123, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 123, 106) }
```

Border

The CSS property to change the border of an element to XYZ 18.5866, 19.7957, 16.4770 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(128, 123, 106) }
```


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

```
.border{ border-color:rgb(128, 123, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 123, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 123, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 123, 106);  
box-shadow:4px 4px 4px 4px rgb(128, 123,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5866, 19.7957, 16.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 123, 106) }
```

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

```
.background{ background-color: rgb(128,  
123, 106) }
```

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