

Converting Colors

XYZ(17.8795, 18.5854, 12.3404)

Have a look what the booklet for
XYZ(17.8795, 18.5854, 12.3404)
contains.

XYZ(17.8396, 18.6006, 12.3229)	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(17.8396, 18.6006,
12.3229)**

Conversions

Conversions Part 1

Format	Color
Hex	84765A
RGB	132, 118, 90
RGB Percent	52%, 46%, 35%
CMY	0.4824, 0.5372, 0.6471
CMYK	0.00, 0.11, 0.32, 0.48
HSL	40°, 19%, 44%
HSV	40°, 32%, 52%
XYZ	17.8396, 18.6006, 12.3229
YIQ	118.9940, 17.3320, -5.7400

Conversions

Conversions Part 2

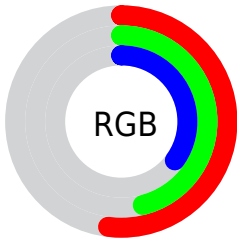
Format	Color
RYB	111, 132, 90
Decimal	8681050
CIELab	50.22, 0.86, 17.42
CIELCh	50, 17.446, 87.175
Yxy	18.6006, 0.3658, 0.3814
Android (android.graphics.Color)	4286871130 (0xFF84765A)
YUV	118.9940, -14.2940, 11.4063
Hunter-Lab	43.1284, -1.6401, 13.2492

Details

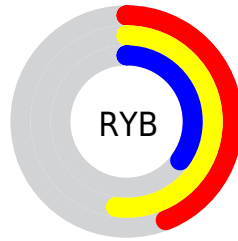
The XYZ color **17.8396, 18.6006, 12.3229** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.3315, 13.7398, 23.7792**, and the grayscale version is **17.5730, 18.4882, 20.1337**.

A 20% lighter version of the original color is **39.3580, 41.0820, 30.6662**, and **6.1245, 6.3560, 3.2869** is the 20% darker color. If you saturate the color by 10%, you get **16.8211, 17.3842, 9.4533**, and if you desaturate by 10%, it is **18.9831, 19.9070, 15.7269**.

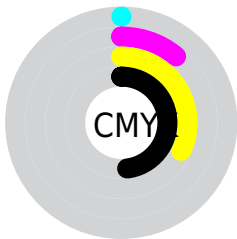
Distribution



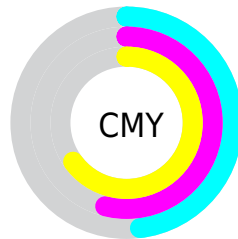
- Red (52%)
- Green (46%)
- Blue (35%)



- Red (44%)
- Yellow (52%)
- Blue (35%)



- Cyan (0%)
- Magenta (11%)
- Yellow (32%)
- Black (48%)



- Cyan (48%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8396, 18.6006, 12.3229 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 17.8396, 18.6006, 12.3229 by changing the saturation by 10% instead.

■ 17.8396, 18.6006,
12.3229

■ 17.8396, 18.6006,
12.3229

233.0285,
244.2349, 217.5846

■ 10.9339, 11.3820,
6.8388

■ 39.2960, 41.0581,
30.7550

■ 6.0894, 6.3244,
3.2846

■ 54.5775, 57.0658,
44.5401

■ 2.9407, 3.0433,
1.2417

■ 73.3815, 76.7721,
61.9292

■ 1.1225, 1.1544,
0.0133

■ 96.0736, 100.5613,
83.3409

■ 0.0438, 0.0240,
0.0000

■ 123.0189,
128.8177, 109.1938

■ 0.0000, 0.0000,
0.0000

154.5830,

161.9259, 139.9063

191.1310,
200.2701, 175.8971

■ 17.8396, 18.6006,
12.3229

■ 17.8396, 18.6006,
12.3229

■ 16.8211, 17.3842,
9.4533

■ 18.9831, 19.9070,
15.7269

■ 15.9204, 16.2524,
7.0891

■ 20.2552, 21.3034,
19.6900

■ 15.1320, 15.2031,
5.2001

■ 21.6615, 22.7931,
24.2368

■ 14.4492, 14.2331,
3.7526

■ 23.2064, 24.3784,
29.3901

■ 13.8643, 13.3388,
2.7081

■ 24.8944, 26.0616,
35.1713

■ 13.3684, 12.5161,
2.0219

■ 26.7296, 27.8448,
41.6010

■ 13.0063, 11.8867,
1.6089

■ 28.7160, 29.7300,
48.6986

■ 30.8574, 31.7194,
56.4829

■ 33.1575, 33.8147,
64.9718

Harmonies

Analogous

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



19.4956, 18.6006, 13.4098



17.8396, 18.6006, 12.3229



16.2397, 18.6006, 13.0651

Triad

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



17.8396, 18.6006, 12.3229



14.9492, 18.6006, 24.7960



20.5459, 18.6006, 25.7143

Complementary

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



17.8396, 18.6006, 12.3229



13.3315, 13.7398, 23.7792

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.



19.2016, 18.6006, 29.6864



17.8396, 18.6006, 12.3229



15.9795, 18.6006, 29.0998

Square

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



17.8396, 18.6006, 12.3229



14.6350, 18.6006, 19.7987



17.5200, 18.6006, 31.0136



21.1190, 18.6006, 20.7140

Rectangle

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



17.8396, 18.6006, 12.3229



15.4066, 18.6006, 14.5744



17.5200, 18.6006, 31.0136



20.1652, 18.6006, 27.2426

Sweetspot

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



17.8401, 18.6015, 12.3233



36.0585, 37.9331, 35.8907



15.6707, 13.2175, 14.8222



8.3285, 8.7600, 8.1434



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.8401, 18.6015, 12.3233



30.1410, 31.2429, 18.0577



18.5542, 21.6007, 12.8646



4.9125, 5.1685, 4.9681



12.5984, 11.5193, 1.5594



0.0504, 0.0534, 0.0076

Inverse Universe

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



13.3315, 13.7398, 23.7792



20.9339, 21.3188, 41.4648



12.7510, 11.5199, 23.3813



4.5519, 4.7795, 5.8834



4.9089, 3.3656, 21.5276



0.0232, 0.0240, 0.0766

Previews

White Background



This preview shows how the XYZ color 17.8396, 18.6006, 12.3229 looks on a white background.

Color Contrast Check

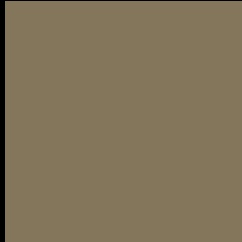
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8396, 18.6006, 12.3229 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 17.8396, 18.6006, 12.3229

Background



This preview shows how black text looks on a background with the XYZ color 17.8396, 18.6006, 12.3229.



This preview shows how white text looks on a background with the XYZ color 17.8396, 18.6006,

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

17.8396, 18.6006, 12.3229

Protanopia

17.3872, 18.5382, 12.5593

Deuteranopia

19.0036, 18.6795, 12.5014



Tritanopia

19.7458, 18.6989, 21.3074

Trichromacy



Original Color

17.8396, 18.6006, 12.3229

Protanomaly

17.5384, 18.6161, 12.5664

Deuteranomaly

18.6150, 18.6494, 12.5161

Tritanomaly

18.9917, 18.5601, 17.6204

Monochromacy



Original Color

17.8396, 18.6006, 12.3229

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6158, 18.5614, 16.8416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8396, 18.6006, 12.3229 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(132, 118, 90)` looks like.

```
.text, #text, p{  
    color:rgb(132, 118, 90)  
}
```

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(132, 118, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 118, 90) }
```

Border

The CSS property to change the border of an element to XYZ 17.8396, 18.6006, 12.3229 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(132, 118, 90) }
```


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

```
.border{ border-color:rgb(132, 118, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 118, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 118, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 118, 90);  
box-shadow:4px 4px 4px 4px rgb(132, 118,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8396, 18.6006, 12.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 118, 90) }
```

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

```
.background{ background-color: rgb(132,  
118, 90) }
```

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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