

Converting Colors

XYZ(31.3785, 28.9931, 18.5753)

Have a look what the booklet for
XYZ(31.3785, 28.9931, 18.5753)
contains.

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Color

**XYZ(31.3858, 28.9245,
18.6806)**

Conversions

Conversions Part 1

Format	Color
Hex	B8886E
RGB	184, 136, 110
RGB Percent	72%, 53%, 43%
CMY	0.2784, 0.4666, 0.5686
CMYK	0.00, 0.26, 0.40, 0.28
HSL	21°, 34%, 58%
HSV	21°, 40%, 72%
XYZ	31.3858, 28.9245, 18.6806
YIQ	147.3880, 36.9540, 2.0900

Conversions

Conversions Part 2

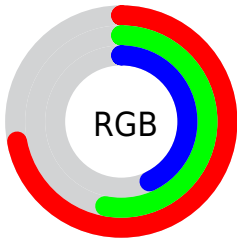
Format	Color
RYB	184, 150, 110
Decimal	12093550
CIELab	60.71, 14.93, 21.13
CIELCh	61, 25.875, 54.766
Yxy	28.9245, 0.3973, 0.3662
Android (android.graphics.Color)	4290283630 (0xFFB8886E)
YUV	147.3880, -18.4323, 32.1087
Hunter-Lab	53.7815, 10.0514, 17.0531

Details

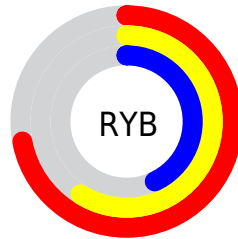
The XYZ color **31.3858, 28.9245, 18.6806** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **27.3084, 31.2281, 49.9356**, and the grayscale version is **27.9578, 29.4138, 32.0316**.

A 20% lighter version of the original color is **60.9948, 57.7046, 42.1057**, and **13.2506, 11.6705, 6.1117** is the 20% darker color. If you saturate the color by 10%, you get **28.8981, 25.3892, 13.4115**, and if you desaturate by 10%, it is **34.2702, 32.9201, 25.1088**.

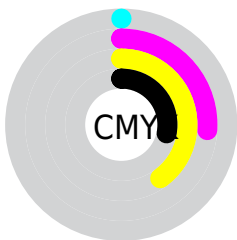
Distribution



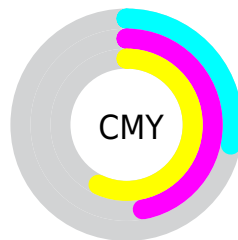
- Red (72%)
- Green (53%)
- Blue (43%)



- Red (72%)
- Yellow (59%)
- Blue (43%)



- Cyan (0%)
- Magenta (26%)
- Yellow (40%)
- Black (28%)



- Cyan (28%)
- Magenta (47%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3858, 28.9245, 18.6806 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 31.3858, 28.9245, 18.6806 by changing the saturation by 10% instead.

■ 31.3858, 28.9245,
18.6806

■ 31.3858, 28.9245,
18.6806

300.1070,
296.8586, 257.0435

■ 21.0461, 19.0237,
11.2652

■ 61.2187, 57.9571,
42.0232

■ 13.2703, 11.6874,
6.1291

■ 81.4425, 77.8577,
58.7875

■ 7.6932, 6.5312,
2.8537

■ 105.6918,
101.8604, 79.5052

■ 3.9494, 3.1707,
1.0204

■ 134.3319,
130.3495, 104.5948

■ 1.6736, 1.2215,
0.0000

167.7281,
163.7095, 134.4749

■ 0.4396, 0.0791,
0.0000

206.2458,

■ 0.0000, 0.0000,

202.3248, 169.5640

0.0000

250.2503,
246.5796, 210.2807

■ 31.3858, 28.9245,
18.6806

■ 31.3858, 28.9245,
18.6806

■ 28.8981, 25.3892,
13.4115

■ 34.2702, 32.9201,
25.1088

■ 26.7857, 22.2926,
9.2295

■ 37.5668, 37.3883,
32.7587

■ 25.0286, 19.6176,
6.0569

■ 41.2928, 42.3460,
41.6906

■ 23.6036, 17.3438,
3.8050

■ 45.4639, 47.8079,
51.9601

■ 22.4839, 15.4492,
2.3693

■ 50.0947, 53.7881,
63.6196

■ 21.6379, 13.9319,
1.5487

■ 55.1993, 60.3004,
76.7188

■ 60.7912, 67.3576,
91.3046

■ 66.5268, 74.8297,
105.5450

■ 69.9910, 81.7580,
106.6997

Harmonies

Analogous

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



33.7784, 28.9245, 24.3682



31.3858, 28.9245, 18.6806



28.0848, 28.9245, 16.4406

Triad

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



31.3858, 28.9245, 18.6806



21.5528, 28.9245, 29.8377



30.2850, 28.9245, 51.4349

Complementary

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



31.3858, 28.9245, 18.6806



27.3084, 31.2281, 49.9356

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.



26.9073, 28.9245, 53.7186



31.3858, 28.9245, 18.6806



22.0382, 28.9245, 39.8886

Square

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



31.3858, 28.9245, 18.6806



22.5501, 28.9245, 21.9888



23.9341, 28.9245, 49.1318



33.1075, 28.9245, 43.4059

Rectangle

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



31.3858, 28.9245, 18.6806



25.8796, 28.9245, 16.7888



23.9341, 28.9245, 49.1318



29.1698, 28.9245, 52.9608

Sweetspot

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



31.3865, 28.9259, 18.6812



73.4513, 74.9089, 72.1735



31.5234, 23.8145, 35.3282



15.6418, 15.8934, 15.0940



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.3865, 28.9259, 18.6812



52.9812, 46.8820, 25.5397



37.5061, 41.1650, 20.7210



9.2559, 9.5147, 9.4556



14.9736, 9.7235, 1.0876



0.5872, 0.4616, 0.0581

Inverse Universe

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



27.3084, 31.2281, 49.9356



44.5744, 51.5770, 89.8107



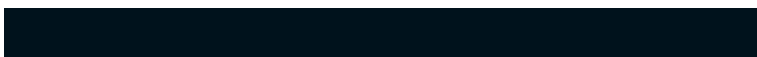
21.9319, 20.4750, 48.1435



8.9939, 9.6650, 11.4709



10.6055, 11.6707, 32.9468



0.4296, 0.5230, 1.1800

Previews

White Background



This preview shows how the XYZ color 31.3858, 28.9245, 18.6806 looks on a white background.

Color Contrast Check

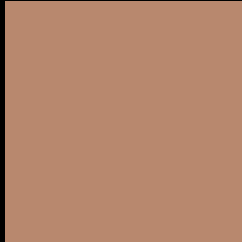
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3858, 28.9245, 18.6806 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 31.3858, 28.9245, 18.6806

Background



This preview shows how black text looks on a background with the XYZ color 31.3858, 28.9245, 18.6806.



This preview shows how white text looks on a background with the XYZ color 31.3858, 28.9245,

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

31.3858, 28.9245, 18.6806

Protanopia

27.2385, 29.1732, 20.4150

Deuteranopia

29.5188, 29.0381, 18.5171



Tritanopia

33.6273, 29.0203, 29.4203

Trichromacy



Original Color

31.3858, 28.9245, 18.6806

Protanomaly

28.5290, 28.9442, 19.7059

Deuteranomaly

30.1244, 28.9165, 18.4617

Tritanomaly

32.6665, 28.8259, 24.9613

Monochromacy



Original Color

31.3858, 28.9245, 18.6806

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.6227, 28.8397, 26.6123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3858, 28.9245, 18.6806 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(184, 136, 110)` looks like.

```
.text, #text, p{  
    color:rgb(184, 136, 110)  
}
```

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(184, 136, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 136, 110) }
```

Border

The CSS property to change the border of an element to XYZ 31.3858, 28.9245, 18.6806 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(184, 136, 110) }
```


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

```
.border{ border-color:rgb(184, 136, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 136, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 136, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 136, 110);  
box-shadow:4px 4px 4px 4px rgb(184, 136,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3858, 28.9245, 18.6806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 136, 110) }
```

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

```
.background{ background-color: rgb(184,  
136, 110) }
```

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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