

Converting Colors

XYZ(32.0930, 29.8271, 16.5933)

Have a look what the booklet for
XYZ(32.0930, 29.8271, 16.5933)
contains.

XYZ(31.9803, 29.7011, 16.6177)	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(31.9803, 29.7011,
16.6177)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8A66
RGB	187, 138, 102
RGB Percent	73%, 54%, 40%
CMY	0.2667, 0.4588, 0.6000
CMYK	0.00, 0.26, 0.45, 0.27
HSL	25°, 38%, 57%
HSV	25°, 45%, 73%
XYZ	31.9803, 29.7011, 16.6177
YIQ	148.5470, 40.7600, -0.8080

Conversions

Conversions Part 2

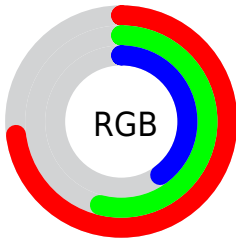
Format	Color
R_{YB}	187, 164, 102
Decimal	12290662
CIE _{Lab}	61.40, 14.16, 26.56
CIE _{LCh}	61, 30.100, 61.931
Yxy	29.7011, 0.4084, 0.3793
Android (android.graphics.Color)	4290480742 (0xFFBB8A66)
YUV	148.5470, -22.9477, 33.7233
Hunter-Lab	54.4987, 9.3725, 20.0704

Details

The XYZ color **31.9803, 29.7011, 16.6177** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **25.5153, 28.5447, 51.1785**, and the grayscale version is **28.4588, 29.9408, 32.6056**.

A 20% lighter version of the original color is **62.2556, 59.4117, 38.3234**, and **13.6713, 12.1513, 5.1149** is the 20% darker color. If you saturate the color by 10%, you get **29.6851, 26.4312, 11.7819**, and if you desaturate by 10%, it is **34.6397, 33.3646, 22.6076**.

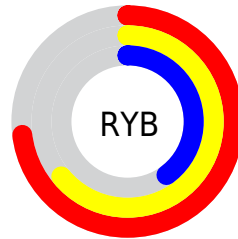
Distribution



Red (73%)

Green (54%)

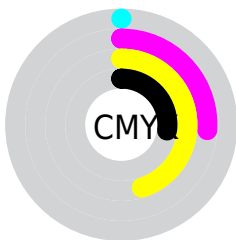
Blue (40%)



Red (73%)

Yellow (64%)

Blue (40%)

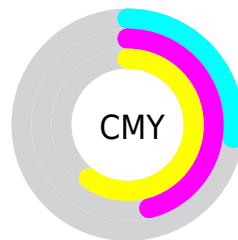


Cyan (0%)

Magenta (26%)

Yellow (45%)

Black (27%)



Cyan (27%)


Magenta (46%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9803, 29.7011, 16.6177 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 31.9803, 29.7011, 16.6177 by changing the saturation by 10% instead.


 31.9803, 29.7011,
16.6177


 31.9803, 29.7011,
16.6177


302.7764,
300.5087, 244.9285

 21.5019, 19.6118,
9.8032


 62.1456, 59.1892,
38.4489


 13.6059, 12.1132,
5.1648


 82.5633, 79.3567,
54.3027

 7.9270, 6.8208,
2.2838


 107.0247,
103.6525, 74.0067

 4.0997, 3.3503,
0.7221

 135.8953,
132.4610, 97.9794

 1.7587, 1.3172,
0.0000

169.5404,
166.1664, 126.6394

 0.4926, 0.1545,
0.0000

208.3254,

 0.0000, 0.0000,

205.1532, 160.4052

0.0000

252.6156,
249.8059, 199.6954

■ 31.9803, 29.7011,
16.6177

■ 31.9803, 29.7011,
16.6177

■ 29.6851, 26.4312,
11.7819

■ 34.6397, 33.3646,
22.6076

■ 27.7332, 23.5359,
8.0219

■ 37.6783, 37.4310,
29.8192

■ 26.1046, 21.0010,
5.2523

■ 41.1127, 41.9148,
38.3170

■ 24.7759, 18.8093,
3.3739

■ 44.9580, 46.8283,
48.1604

■ 23.7189, 16.9411,
2.2640

■ 49.2283, 52.1831,
59.4051

■ 23.3046, 16.1870,
1.8961

■ 53.9371, 57.9907,
72.1037

■ 59.0971, 64.2617,
86.3058

■ 64.7205, 71.0068,
102.0590

■ 68.2565, 77.2108,
105.9134

Harmonies

Analogous

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



35.2243, 29.7011, 22.0909



31.9803, 29.7011, 16.6177



27.9733, 29.7011, 15.0279

Triad

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



31.9803, 29.7011, 16.6177



21.2610, 29.7011, 33.0825



32.4674, 29.7011, 54.6946

Complementary

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



31.9803, 29.7011, 16.6177



25.5153, 28.5447, 51.1785

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.



28.4883, 29.7011, 59.5124



31.9803, 29.7011, 16.6177



22.2289, 29.7011, 45.3497

Square

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



31.9803, 29.7011, 16.6177



22.0100, 29.7011, 23.0965



24.7850, 29.7011, 55.7481



35.5236, 29.7011, 43.7682

Rectangle

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



31.9803, 29.7011, 16.6177



25.4711, 29.7011, 15.9905



24.7850, 29.7011, 55.7481



31.1812, 29.7011, 57.1839

Sweetspot

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



31.9810, 29.7025, 16.6183



74.4380, 76.1077, 70.6578



30.8785, 22.3212, 32.2083



16.0807, 16.3577, 14.7744



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.9810, 29.7025, 16.6183



53.0011, 47.0986, 20.7690



39.1963, 44.1330, 19.0234



9.8534, 10.1828, 10.0228



16.1255, 11.2898, 1.3292



0.6965, 0.5720, 0.0737

Inverse Universe

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



25.5153, 28.5447, 51.1785



39.8924, 44.7170, 90.7301



19.9269, 17.3680, 49.3158



9.4608, 10.1139, 12.1257



9.9325, 9.9768, 33.7951



0.4526, 0.5178, 1.3450

Previews

White Background



This preview shows how the XYZ color 31.9803, 29.7011, 16.6177 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 31.9803, 29.7011, 16.6177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

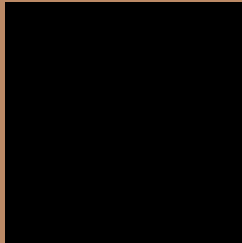
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9803, 29.7011, 16.6177

Background



This preview shows how black text looks on a background with the XYZ color 31.9803, 29.7011, 16.6177.



This preview shows how white text looks on a background with the XYZ color 31.9803, 29.7011,

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

31.9803, 29.7011, 16.6177

Protanopia

27.6886, 29.6940, 17.9078

Deuteranopia

30.3821, 29.7506, 16.4530



Tritanopia

34.8313, 29.8346, 29.9094

Trichromacy



Original Color

31.9803, 29.7011, 16.6177

Protanomaly

29.1006, 29.5125, 17.5273

Deuteranomaly

30.9299, 29.8131, 16.4362

Tritanomaly

33.7955, 29.8336, 24.3993

Monochromacy



Original Color

31.9803, 29.7011, 16.6177

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.3945, 29.7033, 26.0138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9803, 29.7011, 16.6177 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(187, 138, 102)` looks like.

```
.text, #text, p{  
    color:rgb(187, 138, 102)  
}
```

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(187, 138, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 138, 102) }
```

Border

The CSS property to change the border of an element to XYZ 31.9803, 29.7011, 16.6177 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(187, 138, 102) }
```


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

```
.border{ border-color:rgb(187, 138, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 138, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 138, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 138, 102);  
box-shadow:4px 4px 4px 4px rgb(187, 138,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9803, 29.7011, 16.6177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 138, 102) }
```

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

```
.background{ background-color: rgb(187,  
138, 102) }
```

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