

Converting Colors

XYZ(33.6783, 28.9288, 16.3936)

Have a look what the booklet for
XYZ(33.6783, 28.9288, 16.3936)
contains.

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Color

**XYZ(33.6696, 28.9303,
16.3799)**

Conversions

Conversions Part 1

Format	Color
Hex	C68266
RGB	198, 130, 102
RGB Percent	78%, 51%, 40%
CMY	0.2235, 0.4902, 0.6000
CMYK	0.00, 0.34, 0.48, 0.22
HSL	18°, 46%, 59%
HSV	18°, 48%, 78%
XYZ	33.6696, 28.9303, 16.3799
YIQ	147.1400, 49.5160, 5.7080

Conversions

Conversions Part 2

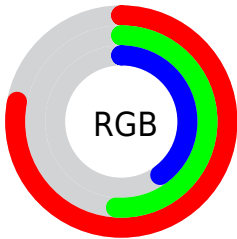
Format	Color
RYB	198, 142, 102
Decimal	13009510
CIELab	60.72, 23.09, 25.91
CIELCh	61, 34.705, 48.288
Yxy	28.9303, 0.4263, 0.3663
Android (android.graphics.Color)	4291199590 (0xFFC68266)
YUV	147.1400, -22.2540, 44.6042
Hunter-Lab	53.7869, 17.6106, 19.5950

Details

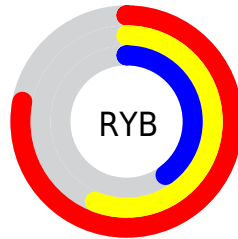
The XYZ color **33.6696, 28.9303, 16.3799** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **30.0466, 35.6499, 58.7235**, and the grayscale version is **27.8666, 29.3178, 31.9271**.

A 20% lighter version of the original color is **63.9233, 57.4269, 37.8524**, and **14.5428, 11.6759, 5.1016** is the 20% darker color. If you saturate the color by 10%, you get **31.0625, 25.1044, 11.2313**, and if you desaturate by 10%, it is **36.7669, 33.3614, 22.8494**.

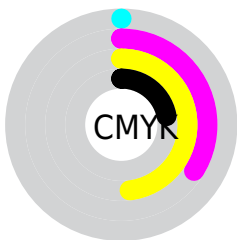
Distribution



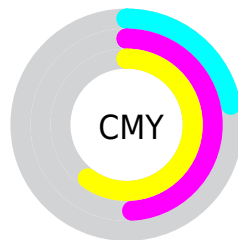
- Red (78%)
- Green (51%)
- Blue (40%)



- Red (78%)
- Yellow (56%)
- Blue (40%)



- Cyan (0%)
- Magenta (34%)
- Yellow (48%)
- Black (22%)





- Cyan (22%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6696, 28.9303, 16.3799 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 33.6696, 28.9303, 16.3799 by changing the saturation by 10% instead.


 33.6696, 28.9303,
16.3799


 33.6696, 28.9303,
16.3799

310.2682,
296.8860, 243.4949


 22.8016, 19.0281,
9.6361


 64.7672, 57.9663,
38.0324

 14.5669, 11.6906,
5.0559


 85.7276, 77.8689,
53.7782

 8.6004, 6.5334,
2.2208


 110.7827,
101.8738, 73.3618

 4.5365, 3.1720,
0.6863

 140.2981,
130.3654, 97.2016

 2.0099, 1.2222,
0.0000

174.6389,
163.7279, 125.7163

 0.6395, 0.0797,
0.0000

214.1707,

 0.0000, 0.0000,

202.3460, 159.3244

0.0000

259.2586,
246.6038, 198.4444

■ 33.6696, 28.9303,
16.3799

■ 33.6696, 28.9303,
16.3799

■ 31.0625, 25.1044,
11.2313

■ 36.7669, 33.3614,
22.8494

■ 28.9164, 21.8523,
7.3092

■ 40.3772, 38.4187,
30.7219

■ 27.2016, 19.1457,
4.5091


■ 44.5244, 44.1277,
40.0748


■ 25.8840, 16.9522,
2.7081


■ 49.2301, 50.5108,
50.9792


■ 24.9149, 15.2320,
1.7131


■ 54.5148, 57.5896,
63.5017

 24.7896, 15.0076,
1.5902

 60.3978, 65.3845,
77.7049

 66.8975, 73.9153,
93.6482

 73.1497, 82.8478,
106.7436

 77.0987, 90.7457,
108.0599

Harmonies

Analogous

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



36.5639, 28.9303, 24.3431



33.6696, 28.9303, 16.3799



29.2926, 28.9303, 12.9253

Triad

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



33.6696, 28.9303, 16.3799



19.8615, 28.9303, 26.7303



30.3044, 28.9303, 61.3939

Complementary

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



33.6696, 28.9303, 16.3799



30.0466, 35.6499, 58.7235

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.



25.7771, 28.9303, 62.5494



33.6696, 28.9303, 16.3799



20.0691, 28.9303, 39.9383

Square

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



33.6696, 28.9303, 16.3799



21.5278, 28.9303, 17.7149



22.1297, 28.9303, 53.8706



34.4796, 28.9303, 51.0459

Rectangle

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



33.6696, 28.9303, 16.3799



26.2683, 28.9303, 12.7837



22.1297, 28.9303, 53.8706



28.7642, 28.9303, 62.9568

Sweetspot

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



33.6703, 28.9317, 16.3805



81.4500, 81.6930, 76.9507



35.3718, 24.4414, 41.2817



17.0650, 16.9836, 15.6224



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.6703, 28.9317, 16.3805



54.8445, 44.2144, 19.5811



41.4487, 44.4885, 18.9732



10.8818, 11.1327, 11.1381



16.1862, 9.8896, 1.0558



0.8302, 0.5958, 0.0712

Inverse Universe

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



30.0466, 35.6499, 58.7235



47.6329, 57.3668, 103.1701



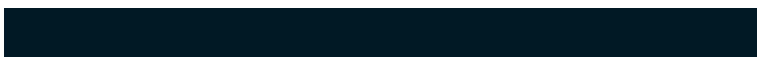
22.7309, 21.0186, 56.2849



10.6753, 11.5247, 13.5793



12.8273, 15.0485, 36.9729



0.6676, 0.8331, 1.7708

Previews

White Background



This preview shows how the XYZ color 33.6696, 28.9303, 16.3799 looks on a white background.

Color Contrast Check

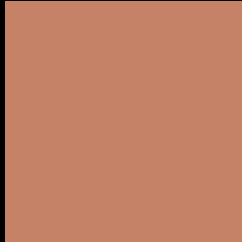
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6696, 28.9303, 16.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

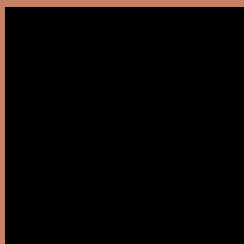
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6696, 28.9303, 16.3799

Background



This preview shows how black text looks on a background with the XYZ color 33.6696, 28.9303, 16.3799.



This preview shows how white text looks on a background with the XYZ color 33.6696, 28.9303,

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

33.6696, 28.9303, 16.3799

Protanopia

27.0987, 29.1397, 18.6643

Deuteranopia

29.7296, 29.2000, 16.1258



Tritanopia

35.9214, 29.0885, 26.6430

Trichromacy



Original Color

33.6696, 28.9303, 16.3799

Protanomaly

29.1397, 28.8610, 17.6706

Deuteranomaly

31.0618, 29.0213, 16.2764

Tritanomaly

34.9839, 28.8882, 22.4710

Monochromacy



Original Color

33.6696, 28.9303, 16.3799

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.3475, 28.7954, 25.4840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6696, 28.9303, 16.3799 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(198, 130, 102)` looks like.

```
.text, #text, p{  
    color:rgb(198, 130, 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(198, 130, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 130, 102) }
```

Border

The CSS property to change the border of an element to XYZ 33.6696, 28.9303, 16.3799 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(198, 130, 102) }
```


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

```
.border{ border-color:rgb(198, 130, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 130, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 130, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 130, 102);  
box-shadow:4px 4px 4px 4px rgb(198, 130,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6696, 28.9303, 16.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 130, 102) }
```

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

```
.background{ background-color: rgb(198,  
130, 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](#).

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