

Converting Colors

XYZ(33.3680, 31.6688, 29.9452)

Have a look what the booklet for
XYZ(33.3680, 31.6688, 29.9452)
contains.

XYZ(33.3680, 31.6688, 29.9452)	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(33.3680, 31.6688,
29.9452)**

Conversions

Conversions Part 1

Format	Color
Hex	B2918E
RGB	178, 145, 142
RGB Percent	70%, 57%, 56%
CMY	0.3020, 0.4314, 0.4431
CMYK	0.00, 0.19, 0.20, 0.30
HSL	5°, 19%, 63%
HSV	5°, 20%, 70%
XYZ	33.3680, 31.6688, 29.9452
YIQ	154.5250, 20.6310, 6.0630

Conversions

Conversions Part 2

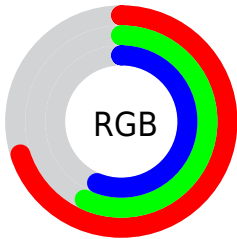
Format	Color
RYB	178, 145, 142
Decimal	11702670
CIELab	63.07, 11.91, 6.26
CIELCh	63, 13.458, 27.730
Yxy	31.6688, 0.3513, 0.3334
Android (android.graphics.Color)	4289892750 (0xFFB2918E)
YUV	154.5250, -6.1748, 20.5876
Hunter-Lab	56.2750, 7.3594, 7.8430

Details

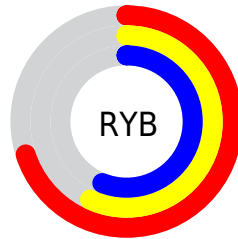
The XYZ color **33.3680, 31.6688, 29.9452** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **34.5208, 39.6241, 47.9485**, and the grayscale version is **30.9667, 32.5794, 35.4790**.

A 20% lighter version of the original color is **64.3189, 62.3248, 60.8645**, and **14.3919, 13.1381, 11.9026** is the 20% darker color. If you saturate the color by 10%, you get **29.8204, 26.5442, 22.6874**, and if you desaturate by 10%, it is **37.4888, 37.5977, 38.4478**.

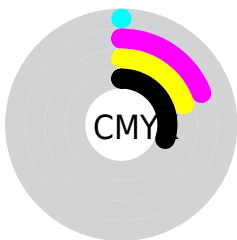
Distribution



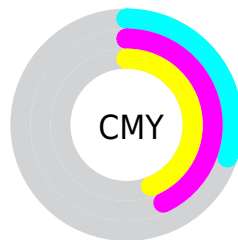
- Red (70%)
- Green (57%)
- Blue (56%)



- Red (70%)
- Yellow (57%)
- Blue (56%)



- Cyan (0%)
- Magenta (19%)
- Yellow (20%)
- Black (30%)





- Cyan (30%)
- Magenta (43%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3680, 31.6688, 29.9452 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 33.3680, 31.6688, 29.9452 by changing the saturation by 10% instead.


 33.3680, 31.6688,
29.9452

 33.3680, 31.6688,
29.9452


308.9405,
309.6078, 315.8483


 22.5691, 21.1087,
19.5453


 64.3005, 62.2915,
60.6355

 14.3946, 13.2034,
11.8842


 85.1648, 83.1229,
81.7630

 8.4792, 7.5688,
6.5433


 110.1149,
108.1467, 107.3034

 4.4574, 3.8203,
3.1041

139.5162,
137.7475, 137.6752

 1.9640, 1.5735,
1.1480

173.7341,
172.3096, 173.2971

 0.6136, 0.3397,
0.0000

213.1338,

 0.0000, 0.0000,

212.2174, 214.5876

0.0000

258.0808,
257.8553, 261.9651

■ 33.3680, 31.6688,
29.9452

■ 33.3680, 31.6688,
29.9452

■ 29.8204, 26.5442,
22.6874

■ 37.4888, 37.5977,
38.4478

■ 26.8182, 22.1852,
16.6140

■ 42.2039, 44.3589,
48.2476

■ 24.3350, 18.5562,
11.6627

■ 47.5365, 51.9844,
59.3965

■ 22.3411, 15.6174,
7.7647

■ 53.5080, 60.5033,
71.9430

■ 20.8042, 13.3249,
4.8437

■ 60.1384, 69.9430,
85.9330

■ 19.6877, 11.6298,
2.8129

■ 67.4471, 80.3303,
101.4106

■ 18.9493, 10.4763,
1.5703

■ 72.1702, 88.2050,
107.8292

■ 18.5289, 9.8025,
0.9155

Harmonies

Analogous

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



33.8056, 31.6688, 34.8880



33.3680, 31.6688, 29.9452



32.0444, 31.6688, 26.5481

Triad

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



33.3680, 31.6688, 29.9452



27.1848, 31.6688, 29.3121



29.9592, 31.6688, 45.7254

Complementary

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



33.3680, 31.6688, 29.9452



34.5208, 39.6241, 47.9485

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.



28.2364, 31.6688, 43.8573



33.3680, 31.6688, 29.9452



26.6761, 31.6688, 34.0791

Square

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



33.3680, 31.6688, 29.9452



28.4714, 31.6688, 26.2098



27.0531, 31.6688, 39.4552



31.7901, 31.6688, 44.3338

Rectangle

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



33.3680, 31.6688, 29.9452



30.8644, 31.6688, 25.4350



27.0531, 31.6688, 39.4552



29.3488, 31.6688, 45.4540

Sweetspot

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



33.3689, 31.6702, 29.9459



71.3733, 73.0465, 76.7544



35.7713, 31.9065, 44.8309



15.6932, 16.0119, 16.7566



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.3689, 31.6702, 29.9459



57.6917, 53.3625, 48.5196



36.3401, 37.6127, 30.9363



8.5515, 8.6155, 8.8648



13.2778, 7.0542, 0.6618



0.4364, 0.2593, 0.0270

Inverse Universe

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



34.5208, 39.6241, 47.9485



60.1378, 70.2602, 86.7731



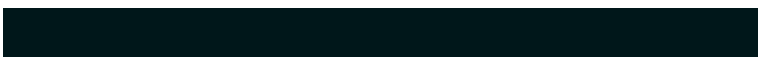
31.2486, 33.0795, 46.8577



8.6808, 9.5078, 10.8840



15.1623, 21.1249, 33.4154



0.4948, 0.7001, 1.0573

Previews

White Background



This preview shows how the XYZ color 33.3680, 31.6688, 29.9452 looks on a white background.

Color Contrast Check

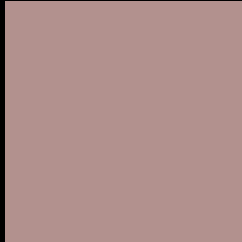
Large Text (above 18pt) WCAG AA × Fail

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 33.3680, 31.6688, 29.9452 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 ✓ Pass

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

XYZ 33.3680, 31.6688, 29.9452

Background



This preview shows how black text looks on a background with the XYZ color 33.3680, 31.6688, 29.9452.



This preview shows how white text looks on a background with the XYZ color 33.3680, 31.6688,

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

33.3680, 31.6688, 29.9452

Protanopia

30.3212, 31.6999, 31.7147

Deuteranopia

32.3295, 31.5911, 29.9849



Tritanopia

34.2456, 31.5617, 34.8589

Trichromacy



Original Color

33.3680, 31.6688, 29.9452

Protanomaly

31.3753, 31.5386, 31.2220

Deuteranomaly

32.6169, 31.5094, 29.9540

Tritanomaly

34.0687, 31.7322, 33.1835

Monochromacy



Original Color

33.3680, 31.6688, 29.9452

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.6759, 32.1218, 33.3848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3680, 31.6688, 29.9452 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(178, 145, 142)` looks like.

```
.text, #text, p{  
    color:rgb(178, 145, 142)  
}
```

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(178, 145, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 145, 142) }
```

Border

The CSS property to change the border of an element to XYZ 33.3680, 31.6688, 29.9452 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(178, 145, 142) }
```


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

```
.border{ border-color:rgb(178, 145, 142) }
```

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

Here you see how a box with a 4 pixel rgb(178, 145, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 145, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 145, 142);  
box-shadow:4px 4px 4px 4px rgb(178, 145,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3680, 31.6688, 29.9452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 145, 142) }
```

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

```
.background{ background-color: rgb(178,  
145, 142) }
```

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