

Converting Colors

XYZ(34.8259, 29.7439, 21.1416)

Have a look what the booklet for
XYZ(34.8259, 29.7439, 21.1416)
contains.

XYZ(34.8100, 29.8163, 21.0600)	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(34.8100, 29.8163,
21.0600)**

Conversions

Conversions Part 1

Format	Color
Hex	C68476
RGB	198, 132, 118
RGB Percent	78%, 52%, 46%
CMY	0.2235, 0.4823, 0.5373
CMYK	0.00, 0.33, 0.40, 0.22
HSL	11°, 41%, 62%
HSV	11°, 40%, 78%
XYZ	34.8100, 29.8163, 21.0600
YIQ	150.1380, 43.8300, 9.6380

Conversions

Conversions Part 2

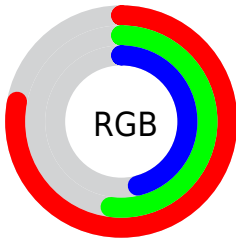
Format	Color
R _Y B	198, 135, 118
Decimal	13010038
CIE Lab	61.50, 23.70, 17.95
CIE LCh	61, 29.731, 37.138
Yxy	29.8163, 0.4062, 0.3480
Android (android.graphics.Color)	4291200118 (0xFFC68476)
YUV	150.1380, -15.8440, 41.9750
Hunter-Lab	54.6043, 18.2354, 15.3558

Details

The XYZ color **34.8100, 29.8163, 21.0600** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **34.8041, 42.2081, 59.7387**, and the grayscale version is **29.1008, 30.6163, 33.3412**.

A 20% lighter version of the original color is **66.0546, 59.2801, 45.9910**, and **15.2781, 12.2276, 7.3493** is the 20% darker color. If you saturate the color by 10%, you get **31.7104, 25.3066, 14.8185**, and if you desaturate by 10%, it is **38.5050, 35.1214, 28.7190**.

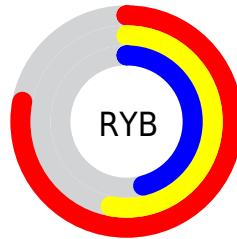
Distribution



Red (78%)

Green (52%)

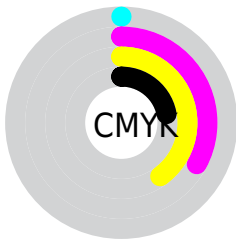
Blue (46%)



Red (78%)

Yellow (53%)

Blue (46%)

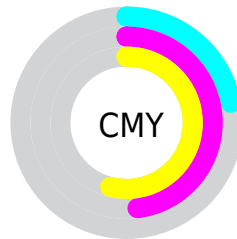


Cyan (0%)

Magenta (33%)

Yellow (40%)

Black (22%)



Cyan (22%)


Magenta (48%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8100, 29.8163, 21.0600 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 34.8100, 29.8163, 21.0600 by changing the saturation by 10% instead.


 34.8100, 29.8163,
21.0600


 34.8100, 29.8163,
21.0600


315.2516,
301.0472, 270.3887


 23.6824, 19.6992,
12.9762


 66.5273, 59.3715,
46.0695

 15.2216, 12.1766,
7.2816


 87.8477, 79.5785,
63.8322

 9.0624, 6.8641,
3.5577


 113.2963,
103.9175, 85.6583

 4.8393, 3.3772,
1.3860

143.2387,
132.7729, 111.9664

 2.1871, 1.3317,
0.1308

178.0400,
166.5292, 143.1749

 0.7359, 0.1655,
0.0000

218.0657,

 0.0000, 0.0000,

205.5708, 179.7024

0.0000

263.6811,
250.2820, 221.9675

■ 34.8100, 29.8163,
21.0600

■ 34.8100, 29.8163,
21.0600

■ 31.7104, 25.3066,
14.8185

■ 38.5050, 35.1214,
28.7190

■ 29.1722, 21.5493,
9.9053

■ 42.8222, 41.2532,
37.8737

■ 27.1613, 18.5044,
6.2238


■ 47.7899, 48.2467,
48.5987


■ 25.6392, 16.1261,
3.6635

■ 53.4336, 56.1338,
60.9629


■ 24.5613, 14.3628,
2.0939

■ 59.7776, 64.9443,
75.0313

 23.8798, 13.1880,
1.2869

 66.8450, 74.7072,
90.8654

 74.3989, 85.3461,
107.1599

 77.0987, 90.7458,
108.0599

Harmonies

Analogous

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



36.5306, 29.8163, 29.8458



34.8100, 29.8163, 21.0600



31.3823, 29.8163, 16.3103

Triad

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



34.8100, 29.8163, 21.0600



21.9231, 29.8163, 24.7521



29.2902, 29.8163, 59.0656

Complementary

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



34.8100, 29.8163, 21.0600



34.8041, 42.2081, 59.7387

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.



25.5001, 29.8163, 56.8081



34.8100, 29.8163, 21.0600



21.4747, 29.8163, 35.2328

Square

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



34.8100, 29.8163, 21.0600



24.0121, 29.8163, 18.0720



22.7250, 29.8163, 47.3851



33.1579, 29.8163, 52.9868

Rectangle

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



34.8100, 29.8163, 21.0600



28.7190, 29.8163, 15.2742



22.7250, 29.8163, 47.3851



27.9633, 29.8163, 59.2759

Sweetspot

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



34.8108, 29.8178, 21.0606



82.9780, 83.1218, 82.4765



38.4891, 28.4516, 49.1779



17.5025, 17.4287, 17.0937



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.



34.8108, 29.8178, 21.0606



57.0060, 46.0624, 27.9321



41.1848, 42.5659, 23.1853



10.7815, 10.9321, 11.1046



15.5741, 8.6654, 0.8517



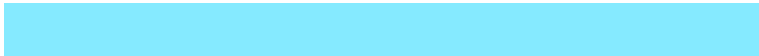
0.7850, 0.5054, 0.0562

Inverse Universe

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



34.8041, 42.2081, 59.7387



56.9613, 70.7771, 105.2669



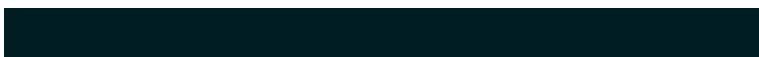
27.7391, 28.0782, 57.3837



10.7827, 11.7394, 13.6151



15.2414, 19.8767, 37.7776



0.7644, 1.0265, 1.8030

Previews

White Background



This preview shows how the XYZ color 34.8100, 29.8163, 21.0600 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 34.8100, 29.8163, 21.0600 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 34.8100, 29.8163, 21.0600

Background



This preview shows how black text looks on a background with the XYZ color 34.8100, 29.8163, 21.0600.



This preview shows how white text looks on a background with the XYZ color 34.8100, 29.8163,

21.0600.

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

34.8100, 29.8163, 21.0600

Protanopia

28.4180, 30.1693, 24.0641

Deuteranopia

30.4304, 29.9045, 20.6913



Tritanopia

36.3299, 29.8440, 28.2718

Trichromacy



Original Color

34.8100, 29.8163, 21.0600

Protanomaly

30.4109, 29.8456, 22.8968

Deuteranomaly

31.9719, 29.8169, 20.8997

Tritanomaly

35.6326, 29.7461, 25.3363

Monochromacy



Original Color

34.8100, 29.8163, 21.0600

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.3463, 29.6954, 28.1771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8100, 29.8163, 21.0600 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, 132, 118)` looks like.

```
.text, #text, p{  
    color:rgb(198, 132, 118)  
}
```

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, 132, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 132, 118) }
```

Border

The CSS property to change the border of an element to XYZ 34.8100, 29.8163, 21.0600 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, 132, 118) }
```


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

```
.border{ border-color:rgb(198, 132, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 132, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 132, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 132, 118);  
box-shadow:4px 4px 4px 4px rgb(198, 132,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8100, 29.8163, 21.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 132, 118) }
```

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

```
.background{ background-color: rgb(198,  
132, 118) }
```

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