

# Converting Colors

XYZ(34.8211, 30.2285, 21.1390)

Have a look what the booklet for  
XYZ(34.8211, 30.2285, 21.1390)  
contains.

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# Color

**XYZ(34.8211, 30.2285,  
21.1390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C58676
RGB	197, 134, 118
RGB Percent	77%, 53%, 46%
CMY	0.2275, 0.4745, 0.5372
CMYK	0.00, 0.32, 0.40, 0.23
HSL	12°, 41%, 62%
HSV	12°, 40%, 77%
XYZ	34.8211, 30.2285, 21.1390
YIQ	151.0130, 42.6840, 8.3800

# Conversions

## Conversions Part 2

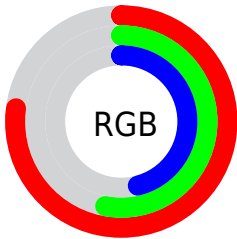
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 138, 118
Decimal	12945014
CIELab	61.85, 22.21, 18.42
CIElCh	62, 28.850, 39.672
Yxy	30.2285, 0.4040, 0.3507
Android (android.graphics.Color)	4291135094 (0xFFC58676)
YUV	151.0130, -16.2754, 40.3306
Hunter-Lab	54.9805, 16.8347, 15.6904

# Details

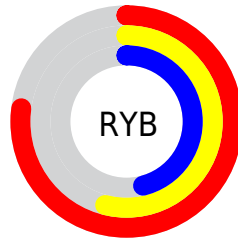
The XYZ color **34.8211, 30.2285, 21.1390** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **34.0726, 40.9291, 58.9277**, and the grayscale version is **29.4763, 31.0114, 33.7714**.

A 20% lighter version of the original color is **66.4789, 60.1287, 46.1324**, and **15.2603, 12.4456, 7.3923** is the 20% darker color. If you saturate the color by 10%, you get **31.7582, 25.7846, 14.9331**, and if you desaturate by 10%, it is **38.4526, 35.4183, 28.7413**.

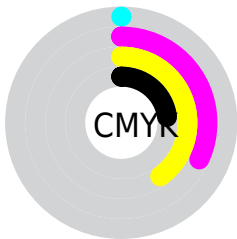
# Distribution



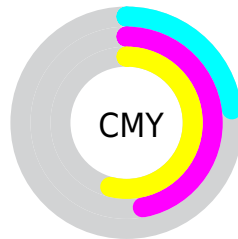
- Red (77%)
- Green (53%)
- Blue (46%)



- Red (77%)
- Yellow (54%)
- Blue (46%)



- Cyan (0%)
- Magenta (32%)
- Yellow (40%)
- Black (23%)




- Cyan (23%)
- Magenta (47%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8211, 30.2285, 21.1390 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 34.8211, 30.2285, 21.1390 by changing the saturation by 10% instead.





 34.8211, 30.2285,  
21.1390


 34.8211, 30.2285,  
21.1390


315.2998,  
302.9681, 270.8216


 23.6910, 20.0121,  
13.0334


 66.5444, 60.0233,  
46.2025

 15.2280, 12.4038,  
7.3206


 87.8682, 80.3706,  
63.9976

 9.0669, 7.0193,  
3.5819


 113.3207,  
104.8635, 85.8595

 4.8423, 3.4742,  
1.3989

143.2672,  
133.8866, 112.2069

 2.1889, 1.3840,  
0.1409

178.0730,  
167.8242, 143.4582

 0.7369, 0.2049,  
0.0000

218.1034,

 0.0000, 0.0000,

207.0607, 180.0321

0.0000

263.7239,  
251.9806, 222.3470

■ 34.8211, 30.2285,  
21.1390

■ 34.8211, 30.2285,  
21.1390

■ 31.7582, 25.7846,  
14.9331

■ 38.4526, 35.4183,  
28.7413

■ 29.2320, 22.0476,  
10.0362

■ 42.6777, 41.3816,  
37.8163

■ 27.2111, 18.9817,  
6.3539


■ 47.5227, 48.1503,  
48.4372


■ 25.6595, 16.5461,  
3.7783

■ 53.0116, 55.7530,  
60.6714


■ 24.5360, 14.6953,  
2.1821

■ 59.1670, 64.2170,  
74.5828

 23.7817, 13.3818,  
1.3295

 66.0105, 73.5680,  
90.2313

 73.4173, 83.7730,  
106.9080

 76.8360, 90.6103,  
108.0476

# Harmonies

## Analogous

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



36.6732, 30.2285, 29.4753



34.8211, 30.2285, 21.1390



31.3833, 30.2285, 16.7539

# Triad

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



34.8211, 30.2285, 21.1390



22.3274, 30.2285, 26.0776



29.9944, 30.2285, 58.5814

# Complementary

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



34.8211, 30.2285, 21.1390



34.0726, 40.9291, 58.9277

# 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.



26.2330, 30.2285, 57.0959



34.8211, 30.2285, 21.1390



22.0277, 30.2285, 36.6096

# Square

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



34.8211, 30.2285, 21.1390



24.2554, 30.2285, 19.1314



23.3964, 30.2285, 48.4066



33.7265, 30.2285, 52.1013



# Rectangle

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



34.8211, 30.2285, 21.1390



28.7737, 30.2285, 15.9255



23.3964, 30.2285, 48.4066



28.6889, 30.2285, 59.0251

# Sweetspot

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



34.8219, 30.2300, 21.1396



83.2127, 83.5912, 82.5547



37.8656, 28.1719, 47.2659



17.5574, 17.5384, 17.1120



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.



34.8219, 30.2300, 21.1396



57.5702, 47.1906, 28.1201



41.2973, 43.1809, 23.2981



10.8050, 10.9792, 11.1125



15.6908, 8.8988, 0.8906



0.7956, 0.5267, 0.0597



# Inverse Universe

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



34.0726, 40.9291, 58.9277



56.0134, 68.8812, 104.9509



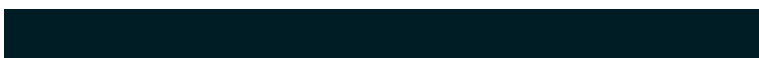
27.1780, 27.1400, 56.6295



10.7572, 11.6885, 13.6066



14.6299, 18.6536, 37.5738



0.7403, 0.9784, 1.7950



# Previews

## White Background



This preview shows how the XYZ color 34.8211, 30.2285, 21.1390 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 34.8211, 30.2285, 21.1390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

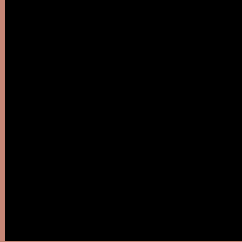
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.8211, 30.2285, 21.1390**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8211, 30.2285, 21.1390.



This preview shows how white text looks on a background with the XYZ color 34.8211, 30.2285,



# 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

34.8211, 30.2285, 21.1390

### Protanopia

28.5497, 30.2447, 23.7351

### Deuteranopia

31.0301, 30.4376, 20.7626



## Tritanopia

36.4772, 30.2978, 29.1248

# Trichromacy



## Original Color

34.8211, 30.2285, 21.1390

## Protanomaly

30.4994, 30.1223, 22.6191

## Deuteranomaly

32.3561, 30.2309, 20.9594

## Tritanomaly

35.7736, 30.2018, 26.1343

# Monochromacy



## Original Color

34.8211, 30.2285, 21.1390

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

30.9340, 30.4397, 28.6711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8211, 30.2285, 21.1390 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(197, 134, 118)` looks like.

```
.text, #text, p{  
    color:rgb(197, 134, 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(197, 134, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 134, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8211, 30.2285, 21.1390 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(197, 134, 118) }
```



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

```
.border{ border-color:rgb(197, 134, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 134, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 134, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 134, 118); box-shadow:4px 4px 4px 4px rgb(197, 134, 118) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8211, 30.2285, 21.1390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 134, 118) }
```

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

```
.background{ background-color: rgb(197,  
134, 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](#).

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