

# Converting Colors

XYZ(34.5958, 29.6808, 15.9823)

Have a look what the booklet for  
XYZ(34.5958, 29.6808, 15.9823)  
contains.

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# Color

**XYZ(34.5039, 29.5702,  
15.9457)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C98364
RGB	201, 131, 100
RGB Percent	79%, 51%, 39%
CMY	0.2118, 0.4863, 0.6078
CMYK	0.00, 0.35, 0.50, 0.21
HSL	18°, 48%, 59%
HSV	18°, 50%, 79%
XYZ	34.5039, 29.5702, 15.9457
YIQ	148.3960, 51.6710, 5.1990

# Conversions

## Conversions Part 2

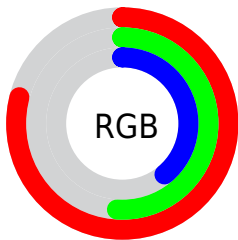
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 145, 100
Decimal	13206372
CIE Lab	61.28, 23.57, 27.82
CIE LCh	61, 36.466, 49.731
Yxy	29.5702, 0.4312, 0.3695
Android (android.graphics.Color)	4291396452 (0xFFC98364)
YUV	148.3960, -23.8592, 46.1337
Hunter-Lab	54.3785, 18.0984, 20.6790

# Details

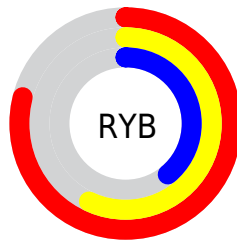
The XYZ color **34.5039, 29.5702, 15.9457** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **30.1721, 35.6741, 60.5536**, and the grayscale version is **28.3960, 29.8748, 32.5336**.

A 20% lighter version of the original color is **63.9664, 57.7753, 37.0585**, and **15.0866, 12.0712, 4.9030** is the 20% darker color. If you saturate the color by 10%, you get **31.9017, 25.7354, 10.8564**, and if you desaturate by 10%, it is **37.5991, 34.0070, 22.3839**.

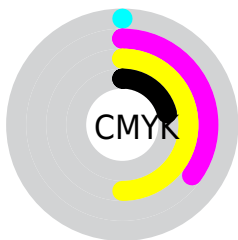
# Distribution



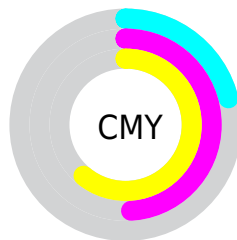
- Red (79%)
- Green (51%)
- Blue (39%)



- Red (79%)
- Yellow (57%)
- Blue (39%)



- Cyan (0%)
- Magenta (35%)
- Yellow (50%)
- Black (21%)




- Cyan (21%)
- Magenta (49%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5039, 29.5702, 15.9457 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 34.5039, 29.5702, 15.9457 by changing the saturation by 10% instead.





 34.5039, 29.5702,  
15.9457


 34.5039, 29.5702,  
15.9457

313.9196,  
299.8959, 240.8559


 23.4457, 19.5126,  
9.3318


 66.0556, 58.9818,  
37.2694


 15.0455, 12.0412,  
4.8585


 87.2798, 79.1046,  
52.8163

 8.9378, 6.7718,  
2.1072


 112.6234,  
103.3512, 72.1779

 4.7574, 3.3198,  
0.6200

 142.4518,  
132.1061, 95.7727

 2.1389, 1.3009,  
0.0000

177.1302,  
165.7536, 124.0194

 0.7103, 0.1419,  
0.0000

217.0241,

 0.0000, 0.0000,

204.6781, 157.3365

0.0000

262.4988,  
249.2641, 196.1425

■ 34.5039, 29.5702,  
15.9457

■ 34.5039, 29.5702,  
15.9457

■ 31.9017, 25.7354,  
10.8564

■ 37.5991, 34.0070,  
22.3839

■ 29.7624, 22.4712,  
7.0162

■ 41.2107, 39.0667,  
30.2574

■ 28.0556, 19.7495,  
4.3143

■ 45.3630, 44.7745,  
39.6475

■ 26.7456, 17.5377,  
2.6188

■ 50.0783, 51.1529,  
50.6287

■ 25.7937, 15.8304,  
1.6961

■ 55.3774, 58.2233,  
63.2707

■ 61.2799, 66.0059,  
77.6389

■ 67.8047, 74.5202,  
93.7953

■ 74.0215, 83.4059,  
106.8053

■ 77.8973, 91.1574,  
108.0973

# Harmonies

## Analogous

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



37.7198, 29.5702, 24.0718



34.5039, 29.5702, 15.9457



29.7834, 29.5702, 12.5617

# Triad

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



34.5039, 29.5702, 15.9457



19.9665, 29.5702, 27.7105



31.3383, 29.5702, 64.0397

# Complementary

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



34.5039, 29.5702, 15.9457



30.1721, 35.6741, 60.5536

# 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.



26.4920, 29.5702, 65.8412



34.5039, 29.5702, 15.9457



20.2819, 29.5702, 41.9711

# Square

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



34.5039, 29.5702, 15.9457



21.6347, 29.5702, 17.9546



22.5516, 29.5702, 56.8718



35.7530, 29.5702, 52.4845



# Rectangle

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



34.5039, 29.5702, 15.9457



26.5742, 29.5702, 12.5387



22.5516, 29.5702, 56.8718



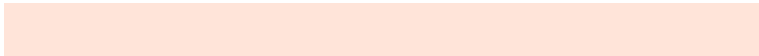
29.6947, 29.5702, 65.9107

# Sweetspot

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



34.5046, 29.5717, 15.9463



81.6108, 82.0146, 77.0043



35.9667, 24.4609, 41.2041



17.1034, 17.0604, 15.6352



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.



34.5046, 29.5717, 15.9463



54.3806, 43.7040, 18.1399



42.8708, 46.3040, 18.7350



10.8950, 11.1592, 11.1425



16.2901, 10.0973, 1.0904



0.8363, 0.6081, 0.0733



# Inverse Universe

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



30.1721, 35.6741, 60.5536



46.0933, 55.1723, 102.8277



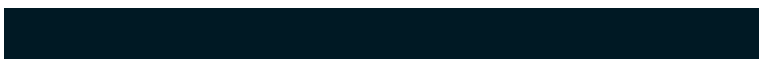
22.5389, 20.4078, 58.0092



10.6614, 11.4968, 13.5747



12.5452, 14.4844, 36.8789



0.6560, 0.8098, 1.7669



# Previews

## White Background



This preview shows how the XYZ color 34.5039, 29.5702, 15.9457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

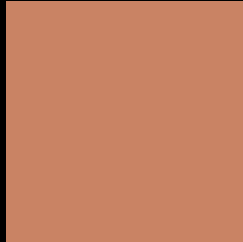
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.5039, 29.5702, 15.9457 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 34.5039, 29.5702, 15.9457**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5039, 29.5702, 15.9457.



This preview shows how white text looks on a background with the XYZ color 34.5039, 29.5702,

15.9457.

# 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

34.5039, 29.5702, 15.9457

### Protanopia

27.7410, 29.7149, 18.1834

### Deuteranopia

30.2377, 29.6928, 15.6929



## Tritanopia

36.8066, 29.5367, 27.0538

# Trichromacy



## Original Color

34.5039, 29.5702, 15.9457

## Protanomaly

29.8509, 29.4594, 17.2096

## Deuteranomaly

31.5903, 29.5169, 15.8367

## Tritanomaly

35.9229, 29.5649, 22.5521

# Monochromacy



## Original Color

34.5039, 29.5702, 15.9457

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

29.7061, 29.2002, 25.5432

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5039, 29.5702, 15.9457 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(201, 131, 100)` looks like.

```
.text, #text, p{  
    color:rgb(201, 131, 100)  
}
```

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(201, 131, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 131, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5039, 29.5702, 15.9457 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(201, 131, 100) }
```



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

```
.border{ border-color:rgb(201, 131, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 131, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 131, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 131, 100);  
box-shadow:4px 4px 4px 4px rgb(201, 131,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5039, 29.5702, 15.9457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 131, 100) }
```

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

```
.background{ background-color: rgb(201,  
131, 100) }
```

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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