

# Converting Colors

CIELCh(69, 31.038, 68.344)

Have a look what the booklet for  
CIELCh(69, 31.038, 68.344) contains.

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# Color

**CIELCh(69, 30.843, 68.914)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDA075
RGB	205, 160, 117
RGB Percent	80%, 63%, 46%
CMY	0.1966, 0.3730, 0.5416
CMYK	0.00, 0.22, 0.43, 0.20
HSL	29°, 47%, 63%
HSV	29°, 43%, 80%
XYZ	40.8974, 39.3444, 22.2340
YIQ	168.5530, 40.6230, -3.8330

# Conversions

## Conversions Part 2

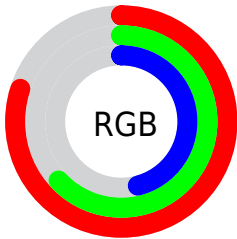
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 201, 117
Decimal	13475957
CIE <sub>Lab</sub>	69.00, 11.10, 28.78
CIE <sub>LCh</sub>	69, 30.843, 68.914
Yxy	39.3444, 0.3991, 0.3839
Android (android.graphics.Color)	4291666037 (0xFFCDA075)
YUV	168.5530, -25.4156, 31.9640
Hunter-Lab	62.7251, 6.6147, 22.8912

# Details

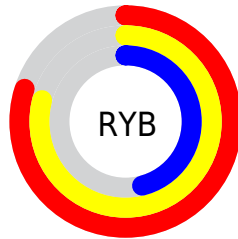
The CIELCh color **69, 30.843, 68.914** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **65, 27.022, 261.738**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 28.939, 74.714**, and **49, 30.964, 69.377** is the 20% darker color. If you saturate the color by 10%, you get **66, 38.918, 67.673**, and if you desaturate by 10%, it is **72, 23.088, 70.155**.

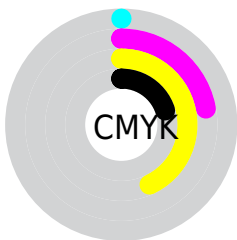
# Distribution



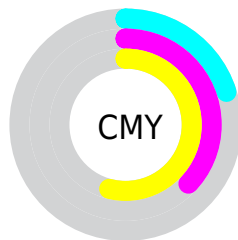
- Red (80%)
- Green (63%)
- Blue (46%)



- Red (80%)
- Yellow (79%)
- Blue (46%)



- Cyan (0%)
- Magenta (22%)
- Yellow (43%)
- Black (20%)



- Cyan (20%)
- Magenta (37%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 30.843, 68.914 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 CIELCh color 69, 30.843, 68.914 by changing the saturation by 10% instead.



69, 30.843, 68.914

69, 30.843, 68.914

100, 30.843,  
68.914

59, 30.843, 68.914

89, 30.843, 68.914

49, 30.843, 68.914

99, 30.843, 68.914

39, 30.843, 68.914

29, 30.843, 68.914

19, 30.843, 68.914

9, 30.843, 68.914

0, 30.843, 68.914

69, 30.843, 68.914

69, 30.843, 68.914

66, 38.918, 67.673

72, 23.088, 70.155

63, 47.204, 66.393

75, 15.687, 71.381

61, 55.446, 65.014

78, 8.636, 72.585

58, 63.121, 63.385

81, 1.914, 73.636

56, 69.331, 61.213

85, 4.507, 255.103

54, 72.737, 59.385

88, 10.659,  
256.204

91, 14.448,  
250.686

94, 13.941,  
223.519

96, 16.317,  
199.933

# Harmonies

# Complementary

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



69, 30.843, 68.914



65, 27.022, 261.738

# Rectangle

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



69, 30.843, 68.914



69, 30.843, 118.914



69, 30.843, 248.914



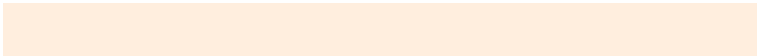
69, 30.843, 298.914

# Sweetspot

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



69, 30.843, 68.919



95, 10.363, 72.559



60, 41.348, 347.022



50, 7.291, 72.293



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



69, 30.843, 68.919



81, 45.624, 67.709



80, 44.768, 105.335



41, 3.738, 72.999



44, 61.931, 60.004



8, 14.356, 56.402





# Inverse Universe

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



65, 27.022, 261.738



75, 38.692, 264.377



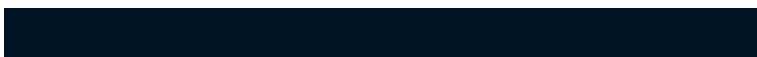
53, 49.959, 295.470



41, 3.651, 255.453



36, 50.735, 282.534



6, 14.935, 270.150



# Previews

## White Background



This preview shows how the CIELCh color 69, 30.843, 68.914 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 CIELCh color 69, 30.843, 68.914 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

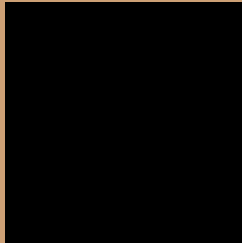
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 69, 30.843, 68.914**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 30.843, 68.914.



This preview shows how white text looks on a background with the CIELCh color 69, 30.843, 68.914.

# 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





**Tritanopia**  
69, 22.671, 6.389



# Trichromacy



**Original Color**  
69, 30.843, 68.914

**Protanomaly**  
69, 27.136, 85.583

**Deuteranomaly**  
69, 30.132, 71.958

**Tritanomaly**  
69, 21.700, 32.756

# Monochromacy



**Original Color**  
69, 30.843, 68.914

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 10.852, 73.245

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 30.843, 68.914 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(205, 160, 117)` looks like.

```
.text, #text, p{  
    color:rgb(205, 160, 117)  
}
```

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(205, 160, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 160, 117) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 30.843, 68.914 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(205, 160, 117) }
```

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

```
.border{ border-color:rgb(205, 160, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 160, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 160, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 160, 117); box-shadow:4px 4px 4px 4px rgb(205, 160, 117) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 30.843, 68.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 160, 117) }
```

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

```
.background{ background-color: rgb(205,  
160, 117) }
```

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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