

Converting Colors

CIELCh(68, 45.749, 70.504)

Have a look what the booklet for
CIELCh(68, 45.749, 70.504) contains.

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Color

CIELCh(68, 45.440, 70.713)

Conversions

Conversions Part 1

Format	Color
Hex	D59A58
RGB	213, 154, 88
RGB Percent	84%, 60%, 35%
CMY	0.1646, 0.3960, 0.6548
CMYK	0.00, 0.28, 0.59, 0.16
HSL	32°, 60%, 59%
HSV	32°, 59%, 84%
XYZ	40.7682, 37.9720, 14.4171
YIQ	164.1170, 56.3500, -8.0180

Conversions

Conversions Part 2

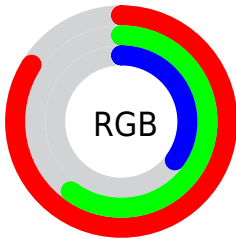
Format	Color
R _Y B	200, 213, 88
Decimal	13998680
CIE Lab	68.00, 15.01, 42.89
CIE LCh	68, 45.440, 70.713
Yxy	37.9720, 0.4376, 0.4076
Android (android.graphics.Color)	4292188760 (0xFFD59A58)
YUV	164.1170, -37.5257, 42.8704
Hunter-Lab	61.6215, 10.2564, 29.2634

Details

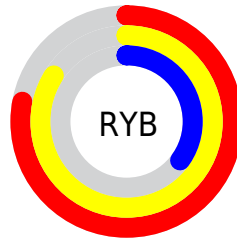
The CIELCh color **68, 45.440, 70.713** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **60, 39.595, 270.577**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 40.730, 78.536**, and **48, 45.481, 70.735** is the 20% darker color. If you saturate the color by 10%, you get **65, 53.816, 69.264**, and if you desaturate by 10%, it is **71, 37.050, 72.089**.

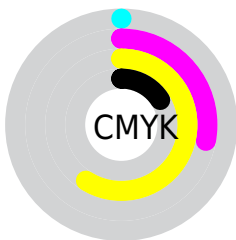
Distribution



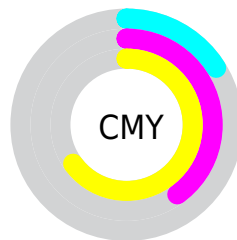
- Red (84%)
- Green (60%)
- Blue (35%)



- Red (78%)
- Yellow (84%)
- Blue (35%)



- Cyan (0%)
- Magenta (28%)
- Yellow (59%)
- Black (16%)



- Cyan (16%)
- Magenta (40%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 45.440, 70.713 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 68, 45.440, 70.713 by changing the saturation by 10% instead.

68, 45.440, 70.713

68, 45.440, 70.713

100, 45.440,
70.713

58, 45.440, 70.713

88, 45.440, 70.713

48, 45.440, 70.713

98, 45.440, 70.713

38, 45.440, 70.713

28, 45.440, 70.713

18, 45.440, 70.713

8, 45.440, 70.713

0, 45.440, 70.713

68, 45.440, 70.713

68, 45.440, 70.713

65, 53.816, 69.264

71, 37.050, 72.089

63, 61.745, 67.624

74, 28.856, 73.423

60, 68.455, 65.585

77, 20.950, 74.734

58, 73.158, 62.911

80, 13.357, 76.019

58, 73.752, 62.569

83, 6.076, 77.257

86, 0.915, 258.953

89, 7.638, 259.806

92, 12.649,
256.578

94, 11.694,
226.431

Harmonies

Complementary

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



68, 45.440, 70.713



60, 39.595, 270.577

Rectangle

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



68, 45.440, 70.713



68, 45.440, 120.713



68, 45.440, 250.713



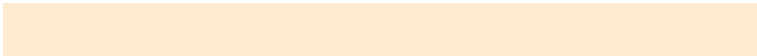
68, 45.440, 300.713

Sweetspot

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



68, 45.440, 70.717



94, 14.877, 76.082



55, 55.832, 351.536



49, 10.403, 75.708



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 45.440, 70.717



77, 63.554, 68.950



83, 62.236, 105.541



44, 3.997, 77.168



47, 62.415, 63.183



10, 17.074, 62.626

Inverse Universe

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



60, 39.595, 270.577



65, 54.389, 274.801



44, 74.011, 299.670



43, 3.926, 259.694



36, 56.219, 286.430



6, 17.894, 275.453

Previews

White Background



This preview shows how the CIELCh color 68, 45.440, 70.713 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 68, 45.440, 70.713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

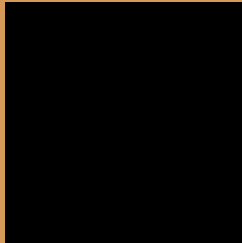
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 45.440, 70.713

Background



This preview shows how black text looks on a background with the CIELCh color 68, 45.440, 70.713.



This preview shows how white text looks on a background with the CIELCh color 68, 45.440, 70.713.

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

68, 45.440, 70.713

Protanopia

68, 40.461, 95.394

Deuteranopia

68, 44.098, 78.259



Tritanopia
68, 29.169, 10.640

Trichromacy



Original Color
68, 45.440, 70.713

Protanomaly
68, 41.090, 85.947

Deuteranomaly
68, 44.652, 76.024

Tritanomaly
68, 30.033, 39.630

Monochromacy



Original Color
68, 45.440, 70.713

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 16.057, 74.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 45.440, 70.713 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(213, 154, 88)` looks like.

```
.text, #text, p{  
    color:rgb(213, 154, 88)  
}
```

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(213, 154, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 154, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 45.440, 70.713 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(213, 154, 88) }
```

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

```
.border{ border-color:rgb(213, 154, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 154, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 154, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 154, 88);  
box-shadow:4px 4px 4px 4px rgb(213, 154,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 45.440, 70.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 154, 88) }
```

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

```
.background{ background-color: rgb(213,  
154, 88) }
```

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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