

Converting Colors

CIELCh(69, 58.886, 85.261)

Have a look what the booklet for
CIELCh(69, 58.886, 85.261) contains.

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Color

CIELCh(69, 58.800, 85.345)

Conversions

Conversions Part 1

Format	Color
Hex	CDA338
RGB	205, 163, 56
RGB Percent	80%, 64%, 22%
CMY	0.1970, 0.3616, 0.7813
CMYK	0.00, 0.20, 0.73, 0.20
HSL	43°, 60%, 51%
HSV	43°, 73%, 80%
XYZ	38.8760, 39.3444, 9.2579
YIQ	163.3600, 59.3790, -24.3730

Conversions

Conversions Part 2

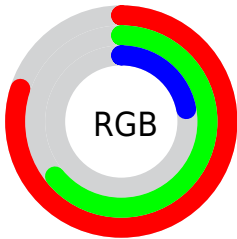
Format	Color
RYB	114, 205, 56
Decimal	13476664
CIELab	69.00, 4.77, 58.61
CIELCh	69, 58.800, 85.345
Yxy	39.3444, 0.4444, 0.4498
Android (android.graphics.Color)	4291666744 (0xFFCDA338)
YUV	163.3600, -52.9285, 36.5183
Hunter-Lab	62.7251, 0.8624, 35.1567

Details

The CIELCh color **69, 58.800, 85.345** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **44, 63.803, 290.487**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 57.499, 89.662**, and **49, 55.907, 84.877** is the 20% darker color. If you saturate the color by 10%, you get **67, 64.798, 83.721**, and if you desaturate by 10%, it is **71, 51.518, 86.835**.

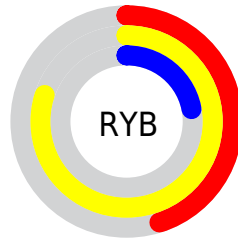
Distribution



Red (80%)

Green (64%)

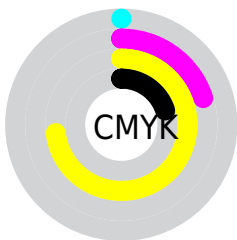
Blue (22%)



Red (45%)

Yellow (80%)

Blue (22%)

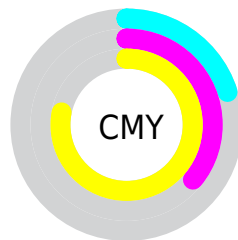


Cyan (0%)

Magenta (20%)

Yellow (73%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 58.800, 85.345 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, 58.800, 85.345 by changing the saturation by 10% instead.

69, 58.800, 85.345

69, 58.800, 85.345

100, 58.800,
85.345

59, 58.800, 85.345

89, 58.800, 85.345

49, 58.800, 85.345

99, 58.800, 85.345

39, 58.800, 85.345

29, 58.800, 85.345

19, 58.800, 85.345

9, 58.800, 85.345

0, 58.800, 85.345

69, 58.800, 85.345

69, 58.800, 85.345

67, 64.798, 83.721

71, 51.518, 86.835

66, 68.760, 81.839

72, 43.551, 88.246

65, 70.426, 80.309

74, 35.277, 89.611

76, 26.914, 90.938

78, 18.580, 92.228

80, 10.336, 93.475

82, 2.210, 94.614

84, 5.788, 275.912

86, 13.658,
277.009

Harmonies

Complementary

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



69, 58.800, 85.345



44, 63.803, 290.487

Rectangle

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



69, 58.800, 85.345



69, 58.800, 135.345



69, 58.800, 265.345



69, 58.800, 315.345

Sweetspot

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



69, 58.800, 85.348



95, 21.455, 92.289



48, 61.503, 10.191



50, 14.444, 91.939



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, 58.800, 85.348



81, 79.308, 82.755



78, 72.787, 114.610



42, 4.568, 93.881



53, 60.244, 80.702



11, 16.107, 84.266

Inverse Universe

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



44, 63.803, 290.487



47, 93.014, 295.638



37, 88.937, 305.873



40, 4.591, 276.248



26, 75.931, 298.959



3, 19.041, 284.177

Previews

White Background



This preview shows how the CIELCh color 69, 58.800, 85.345 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 CIE LCh color 69, 58.800, 85.345 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, 58.800, 85.345

Background



This preview shows how black text looks on a background with the CIELCh color 69, 58.800, 85.345.



This preview shows how white text looks on a background with the CIELCh color 69, 58.800, 85.345.

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

69, 58.800, 85.345

Protanopia

69, 57.964, 95.306

Deuteranopia

69, 58.982, 81.187



Tritanopia
69, 24.355, 6.350

Trichromacy



Original Color
69, 58.800, 85.345

Protanomaly
69, 57.956, 91.662

Deuteranomaly
69, 58.752, 82.536

Tritanomaly
69, 28.662, 56.626

Monochromacy



Original Color
69, 58.800, 85.345

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 22.286, 91.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 58.800, 85.345 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, 163, 56)` looks like.

```
.text, #text, p{  
    color:rgb(205, 163, 56)  
}
```

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, 163, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 163, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 58.800, 85.345 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, 163, 56) }
```

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

```
.border{ border-color:rgb(205, 163, 56) }
```

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

Here you see how a box with a 4 pixel rgb(205, 163, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 163, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 163, 56);  
box-shadow:4px 4px 4px 4px rgb(205, 163,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 58.800, 85.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 163, 56) }
```

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

```
.background{ background-color: rgb(205,  
163, 56) }
```

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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