

Converting Colors

CIELCh(68, 56.358, 85.610)

Have a look what the booklet for
CIELCh(68, 56.358, 85.610) contains.

CIELCh(68, 56.282, 85.119)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 56.282, 85.119)

Conversions

Conversions Part 1

Format	Color
Hex	C9A03B
RGB	201, 160, 59
RGB Percent	79%, 63%, 23%
CMY	0.2109, 0.3718, 0.7679
CMYK	0.00, 0.20, 0.71, 0.21
HSL	43°, 57%, 51%
HSV	43°, 71%, 79%
XYZ	37.5424, 37.9720, 9.5142
YIQ	160.7450, 56.8570, -22.7190

Conversions

Conversions Part 2

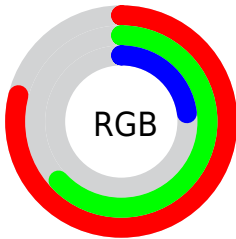
Format	Color
RYB	117, 201, 59
Decimal	13213755
CIELab	68.00, 4.79, 56.08
CIElCh	68, 56.282, 85.119
Yxy	37.9720, 0.4415, 0.4466
Android (android.graphics.Color)	4291403835 (0xFFC9A03B)
YUV	160.7450, -50.1603, 35.3036
Hunter-Lab	61.6215, 0.9121, 33.9808

Details

The CIELCh color **68, 56.282, 85.119** 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 **45, 60.195, 289.325**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 55.052, 87.294**, and **48, 54.811, 84.958** is the 20% darker color. If you saturate the color by 10%, you get **66, 62.572, 83.516**, and if you desaturate by 10%, it is **70, 48.899, 86.600**.

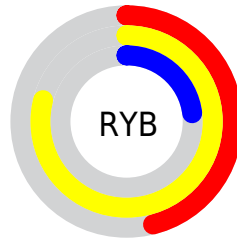
Distribution



Red (79%)

Green (63%)

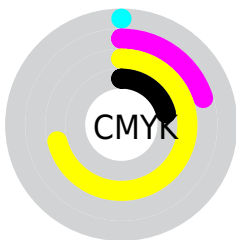
Blue (23%)



Red (46%)

Yellow (79%)

Blue (23%)

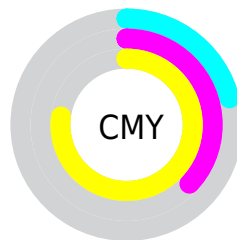


Cyan (0%)

Magenta (20%)

Yellow (71%)

Black (21%)



Cyan (21%)

Magenta (37%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 56.282, 85.119 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, 56.282, 85.119 by changing the saturation by 10% instead.

68, 56.282, 85.119

68, 56.282, 85.119

100, 56.282,
85.119

58, 56.282, 85.119

88, 56.282, 85.119

48, 56.282, 85.119

98, 56.282, 85.119

38, 56.282, 85.119

28, 56.282, 85.119

18, 56.282, 85.119

8, 56.282, 85.119

0, 56.282, 85.119

68, 56.282, 85.119

68, 56.282, 85.119

66, 62.572, 83.516

70, 48.899, 86.600

65, 67.041, 81.675

71, 40.961, 88.008

63, 69.416, 79.673

73, 32.794, 89.370

75, 24.583, 90.695

77, 16.428, 91.982

79, 8.375, 93.221

81, 0.448, 93.981

83, 7.348, 275.644

85, 15.014,
276.740

Harmonies

Complementary

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



68, 56.282, 85.119



45, 60.195, 289.325

Rectangle

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



68, 56.282, 85.119



68, 56.282, 135.119



68, 56.282, 265.119



68, 56.282, 315.119

Sweetspot

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



68, 56.282, 85.122



95, 20.326, 91.892



48, 59.183, 8.071



50, 13.787, 91.535



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, 56.282, 85.122



81, 78.117, 82.523



77, 70.026, 113.853



41, 4.441, 93.366



52, 59.474, 80.079



10, 14.555, 83.728

Inverse Universe

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



45, 60.195, 289.325



48, 89.709, 294.561



37, 85.208, 305.291



39, 4.460, 275.738



26, 74.218, 298.581



3, 17.295, 282.825

Previews

White Background



This preview shows how the CIELCh color 68, 56.282, 85.119 looks on a white background.

Color Contrast Check

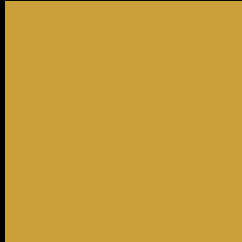
Large Text (above 18pt) WCAG AA × Fail

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 68, 56.282, 85.119 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, 56.282, 85.119

Background



This preview shows how black text looks on a background with the CIELCh color 68, 56.282, 85.119.



This preview shows how white text looks on a background with the CIELCh color 68, 56.282, 85.119.

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, 56.282, 85.119

Protanopia

68, 55.036, 95.521

Deuteranopia

68, 56.628, 81.340



Tritanopia
68, 23.940, 7.359

Trichromacy



Original Color
68, 56.282, 85.119

Protanomaly
68, 55.427, 91.726

Deuteranomaly
68, 56.409, 82.749

Tritanomaly
68, 28.021, 56.317

Monochromacy



Original Color
68, 56.282, 85.119

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 21.287, 90.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 56.282, 85.119 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, 160, 59)` looks like.

```
.text, #text, p{  
    color:rgb(201, 160, 59)  
}
```

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, 160, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 160, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 56.282, 85.119 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, 160, 59) }
```

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

```
.border{ border-color:rgb(201, 160, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 160, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 160, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 160, 59);  
box-shadow:4px 4px 4px 4px rgb(201, 160,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 56.282, 85.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 160, 59) }
```

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

```
.background{ background-color: rgb(201,  
160, 59) }
```

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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