

Converting Colors

CIELCh(68, 57.950, 69.245)

Have a look what the booklet for
CIELCh(68, 57.950, 69.245) contains.

CIELCh(68, 58.070, 69.480)	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, 58.070, 69.480)

Conversions

Conversions Part 1

Format	Color
Hex	E09641
RGB	224, 150, 65
RGB Percent	88%, 59%, 25%
CMY	0.1222, 0.4123, 0.7456
CMYK	0.00, 0.33, 0.71, 0.12
HSL	32°, 72%, 57%
HSV	32°, 71%, 88%
XYZ	42.5271, 37.9720, 10.0689
YIQ	162.4360, 71.3890, -10.7470

Conversions

Conversions Part 2

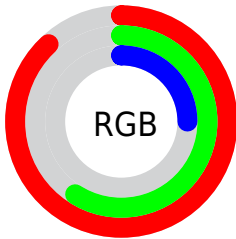
Format	Color
R _Y B	203, 224, 65
Decimal	14718529
CIE _{Lab}	68.00, 20.36, 54.39
CIE _{LCh}	68, 58.070, 69.480
Y _{xy}	37.9720, 0.4696, 0.4193
Android (android.graphics.Color)	4292908609 (0xFFE09641)
YUV	162.4360, -48.0359, 53.9916
Hunter-Lab	61.6215, 15.3514, 33.4471

Details

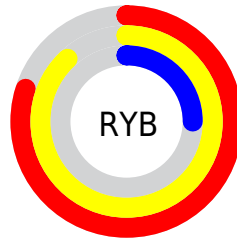
The CIELCh color **68, 58.070, 69.480** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **57, 50.170, 275.666**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 50.416, 80.724**, and **48, 58.005, 69.424** is the 20% darker color. If you saturate the color by 10%, you get **65, 66.030, 67.745**, and if you desaturate by 10%, it is **71, 49.450, 70.992**.

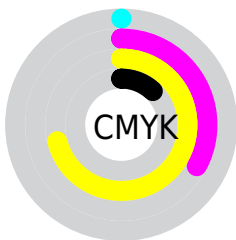
Distribution



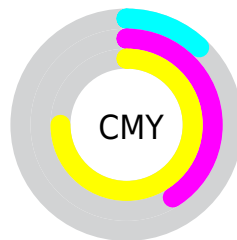
- Red (88%)
- Green (59%)
- Blue (25%)



- Red (80%)
- Yellow (88%)
- Blue (25%)



- Cyan (0%)
- Magenta (33%)
- Yellow (71%)
- Black (12%)



- Cyan (12%)
- Magenta (41%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 58.070, 69.480 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, 58.070, 69.480 by changing the saturation by 10% instead.

68, 58.070, 69.480

68, 58.070, 69.480

100, 58.070,
69.480

58, 58.070, 69.480

88, 58.070, 69.480

48, 58.070, 69.480

98, 58.070, 69.480

38, 58.070, 69.480

28, 58.070, 69.480

18, 58.070, 69.480

8, 58.070, 69.480

0, 58.070, 69.480

68, 58.070, 69.480

68, 58.070, 69.480

65, 66.030, 67.745

71, 49.450, 70.992

63, 72.429, 65.530

74, 40.709, 72.397

61, 76.407, 63.024

76, 32.118, 73.755

79, 23.799, 75.085

82, 15.795, 76.389

86, 8.110, 77.654

89, 0.728, 78.447

92, 6.375, 260.233

95, 8.782, 241.023

Harmonies

Complementary

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



68, 58.070, 69.480



57, 50.170, 275.666

Rectangle

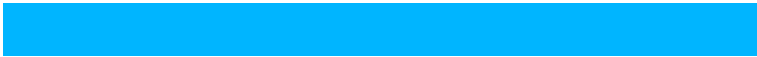
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 58.070, 69.480



68, 58.070, 119.480



68, 58.070, 249.480



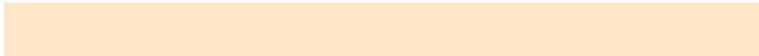
68, 58.070, 299.480

Sweetspot

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



68, 58.069, 69.483



93, 17.545, 76.372



53, 66.760, 355.412



48, 11.944, 76.012



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, 58.069, 69.483



73, 76.396, 66.806



86, 75.313, 105.563



46, 4.174, 77.846



49, 63.669, 63.667



12, 19.705, 64.159

Inverse Universe

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



57, 50.170, 275.666



58, 66.715, 281.628



39, 94.488, 302.569



45, 4.104, 260.391



36, 58.339, 287.125



7, 20.086, 278.030

Previews

White Background



This preview shows how the CIELCh color 68, 58.070, 69.480 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, 58.070, 69.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

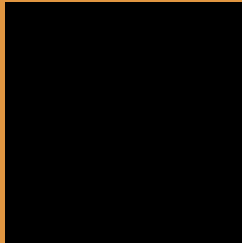
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 58.070, 69.480

Background



This preview shows how black text looks on a background with the CIELCh color 68, 58.070, 69.480.



This preview shows how white text looks on a background with the CIELCh color 68, 58.070, 69.480.

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, 58.070, 69.480

Protanopia

68, 51.123, 95.303

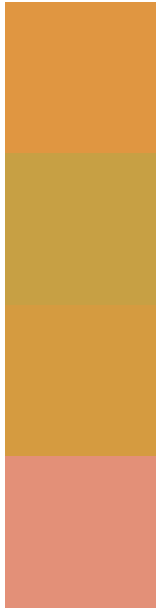
Deuteranopia

68, 55.398, 80.983



Tritanopia
68, 35.742, 14.530

Trichromacy



Original Color
68, 58.070, 69.480

Protanomaly
68, 52.128, 85.129

Deuteranomaly
68, 55.900, 76.616

Tritanomaly
68, 38.739, 41.910

Monochromacy



Original Color
68, 58.070, 69.480

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 20.357, 76.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 58.070, 69.480 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(224, 150, 65)` looks like.

```
.text, #text, p{  
    color:rgb(224, 150, 65)  
}
```

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(224, 150, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 150, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 58.070, 69.480 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(224, 150, 65) }
```

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

```
.border{ border-color:rgb(224, 150, 65) }
```

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

Here you see how a box with a 4 pixel rgb(224, 150, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 150, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 150, 65);  
box-shadow:4px 4px 4px 4px rgb(224, 150,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 58.070, 69.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 150, 65) }
```

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

```
.background{ background-color: rgb(224,  
150, 65) }
```

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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