

Converting Colors

CIELCh(65, 68.299, 80.724)

Have a look what the booklet for
CIELCh(65, 68.299, 80.724) contains.

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Color

CIELCh(65, 68.259, 80.564)

Conversions

Conversions Part 1

Format	Color
Hex	CC940F
RGB	204, 148, 15
RGB Percent	80%, 58%, 6%
CMY	0.2000, 0.4196, 0.9412
CMYK	0.00, 0.27, 0.93, 0.20
HSL	42°, 86%, 43%
HSV	42°, 93%, 80%
XYZ	35.5734, 34.0472, 5.1480
YIQ	149.5820, 76.0690, -29.4910

Conversions

Conversions Part 2

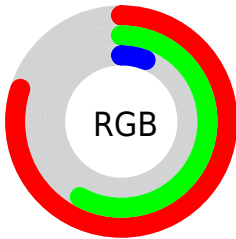
Format	Color
R _Y B	95, 204, 15
Decimal	13407247
CIE Lab	65.00, 11.19, 67.34
CIE LCh	65, 68.259, 80.564
Yxy	34.0472, 0.4758, 0.4554
Android (android.graphics.Color)	4291597327 (0xFFCC940F)
YUV	149.5820, -66.3489, 47.7246
Hunter-Lab	58.3500, 6.7111, 35.6140

Details

The CIELCh color **65, 68.259, 80.564** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **36, 81.219, 296.396**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 66.336, 84.212**, and **45, 54.021, 77.542** is the 20% darker color. If you saturate the color by 10%, you get **64, 70.034, 78.947**, and if you desaturate by 10%, it is **67, 64.181, 82.516**.

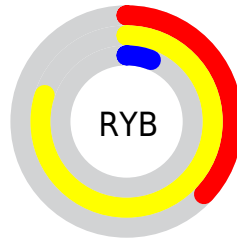
Distribution



Red (80%)

Green (58%)

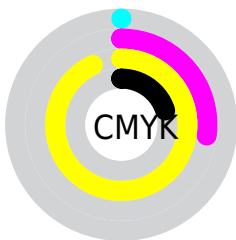
Blue (6%)



Red (37%)

Yellow (80%)

Blue (6%)

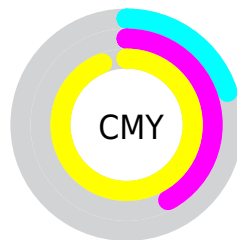


Cyan (0%)

Magenta (27%)

Yellow (93%)

Black (20%)



Cyan (20%)

Magenta (42%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.259, 80.564 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 65, 68.259, 80.564 by changing the saturation by 10% instead.

65, 68.259, 80.564

65, 68.259, 80.564

100, 68.259,
80.564

55, 68.259, 80.564

85, 68.259, 80.564

45, 68.259, 80.564

95, 68.259, 80.564

35, 68.259, 80.564

25, 68.259, 80.564

15, 68.259, 80.564

5, 68.259, 80.564

0, 68.259, 80.564

65, 68.259, 80.564

65, 68.259, 80.564

64, 70.034, 78.947

67, 64.181, 82.516

68, 58.113, 84.185

70, 50.815, 85.700

72, 42.878, 87.132

74, 34.671, 88.513

75, 26.403, 89.854

77, 18.184, 91.157

79, 10.069, 92.414

81, 2.085, 93.555

Harmonies

Complementary

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



65, 68.259, 80.564



36, 81.219, 296.396

Rectangle

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



65, 68.259, 80.564



65, 68.259, 130.564



65, 68.259, 260.564



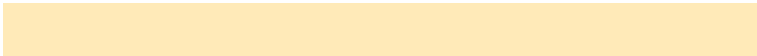
65, 68.259, 310.564

Sweetspot

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



65, 68.258, 80.567



93, 27.058, 90.417



44, 71.481, 17.589



49, 18.736, 89.843



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 68.258, 80.567



78, 82.810, 78.582



77, 82.324, 114.271



42, 4.501, 92.810



53, 60.067, 79.356



11, 15.890, 82.742

Inverse Universe

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



36, 81.219, 296.396



42, 105.598, 299.201



28, 107.580, 307.074



40, 4.517, 275.202



27, 74.354, 298.259



4, 18.809, 283.613

Previews

White Background



This preview shows how the CIELCh color 65, 68.259, 80.564 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 65, 68.259, 80.564 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 65, 68.259, 80.564

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.259, 80.564.



This preview shows how white text looks on a background with the CIELCh color 65, 68.259, 80.564.

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

65, 68.259, 80.564

Protanopia

65, 65.889, 95.500

Deuteranopia

65, 68.166, 83.015



Tritanopia
65, 29.828, 12.082

Trichromacy



Original Color
65, 68.259, 80.564

Protanomaly
65, 65.994, 90.127

Deuteranomaly
65, 68.089, 82.158

Tritanomaly
65, 38.304, 57.764

Monochromacy



Original Color
65, 68.259, 80.564

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 28.227, 88.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.259, 80.564 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(204, 148, 15)` looks like.

```
.text, #text, p{  
    color:rgb(204, 148, 15)  
}
```

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(204, 148, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 148, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.259, 80.564 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(204, 148, 15) }
```

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

```
.border{ border-color:rgb(204, 148, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 148, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 148, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 148, 15);  
box-shadow:4px 4px 4px 4px rgb(204, 148,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.259, 80.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 148, 15) }
```

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

```
.background{ background-color: rgb(204,  
148, 15) }
```

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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