

Converting Colors

CIELCh(68, 90.426, 87.467)

Have a look what the booklet for
CIELCh(68, 90.426, 87.467) contains.

CIELCh(68, 72.005, 85.676)	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, 72.005, 85.676)

Conversions

Conversions Part 1

Format	Color
Hex	CD9F00
RGB	205, 159, 0
RGB Percent	80%, 62%, 0%
CMY	0.1947, 0.3747, 1.0000
CMYK	0.00, 0.22, 1.00, 0.19
HSL	47°, 100%, 40%
HSV	47°, 100%, 81%
XYZ	37.7392, 37.9720, 5.3007
YIQ	154.6280, 78.4550, -39.6970

Conversions

Conversions Part 2

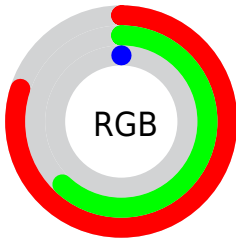
Format	Color
RYB	59, 205, 0
Decimal	13475584
CIELab	68.00, 5.43, 71.80
CIElCh	68, 72.005, 85.676
Yxy	37.9720, 0.4658, 0.4687
Android (android.graphics.Color)	4291665664 (0xFFCD9F00)
YUV	154.6280, -76.2316, 44.1762
Hunter-Lab	61.6215, 1.4823, 38.0349

Details

The CIELCh color **68, 72.005, 85.676** 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 **30, 97.424, 301.824**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 69.930, 89.260**, and **48, 55.045, 83.385** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.829, 85.656**, and if you desaturate by 10%, it is **69, 69.642, 87.334**.

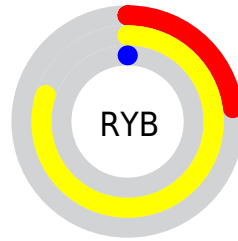
Distribution



Red (80%)

Green (62%)

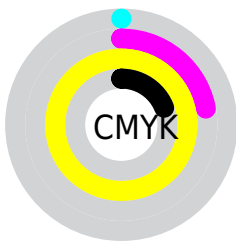
Blue (0%)



Red (23%)

Yellow (80%)

Blue (0%)

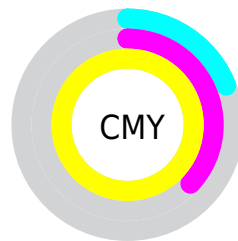


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (37%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 72.005, 85.676 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, 72.005, 85.676 by changing the saturation by 10% instead.

 68, 72.005, 85.676

 68, 72.005, 85.676

 100, 72.005,
85.676

 58, 72.005, 85.676

 88, 72.005, 85.676

 48, 72.005, 85.676

 98, 72.005, 85.676

 38, 72.005, 85.676

 28, 72.005, 85.676

 18, 72.005, 85.676

 8, 72.005, 85.676

 0, 72.005, 85.676

 68, 72.005, 85.676

 68, 72.005, 85.676

 68, 71.829, 85.656

 69, 69.642, 87.334

70, 65.327, 88.843

72, 59.064, 90.232

73, 51.547, 91.560

75, 43.323, 92.856

76, 34.748, 94.130

78, 26.032, 95.380

79, 17.296, 96.600

81, 8.604, 97.780

Harmonies

Complementary

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



68, 72.005, 85.676



30, 97.424, 301.824

Rectangle

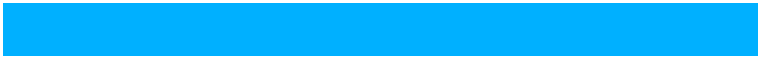
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 72.005, 85.676



68, 72.005, 135.676



68, 72.005, 265.676



68, 72.005, 315.676

Sweetspot

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



68, 71.829, 85.656



94, 31.037, 95.333



43, 77.542, 27.287



49, 21.191, 94.802



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, 71.829, 85.656



83, 84.473, 85.403



76, 86.017, 118.323



42, 4.852, 97.849



56, 61.334, 85.958



11, 17.083, 89.901

Inverse Universe

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



30, 97.424, 301.824



38, 115.989, 302.167



27, 110.996, 307.860



40, 4.900, 280.110



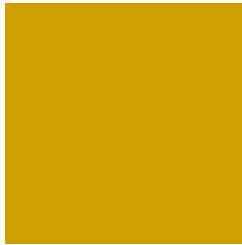
24, 81.933, 301.395



3, 19.935, 286.195

Previews

White Background



This preview shows how the CIELCh color 68, 72.005, 85.676 looks on a white background.

Color Contrast Check

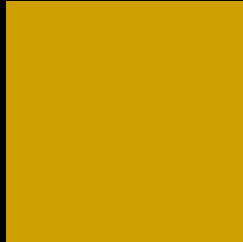
Large Text (above 18pt) WCAG AA × Fail

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, 72.005, 85.676 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, 72.005, 85.676

Background



This preview shows how black text looks on a background with the CIELCh color 68, 72.005, 85.676.

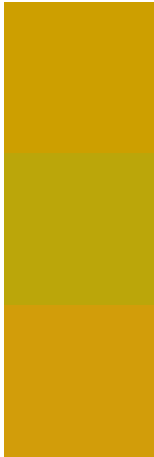


This preview shows how white text looks on a background with the CIELCh color 68, 72.005, 85.676.

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, 71.715, 85.585

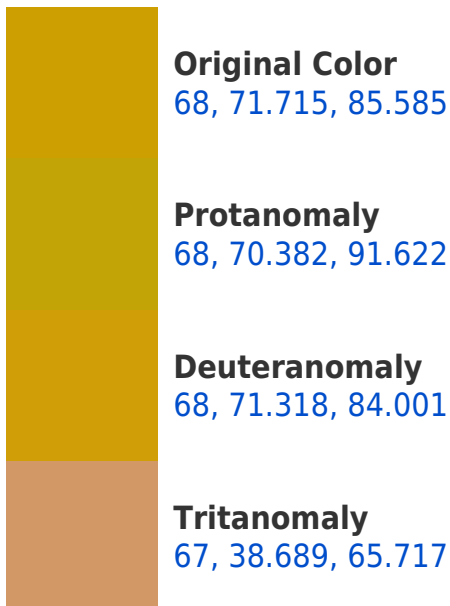
Protanopia
68, 69.732, 95.046

Deuteranopia
68, 71.057, 82.790



Tritanopia
68, 26.343, 9.000

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 72.005, 85.676 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, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 159, 0)  
}
```

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, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 159, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 72.005, 85.676 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, 159, 0) }
```

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

```
.border{ border-color:rgb(205, 159, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 159,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 72.005, 85.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 159, 0) }
```

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

```
.background{ background-color: rgb(205,  
159, 0) }
```

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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