

Converting Colors

CIELCh(65, 69.637, 84.860)

Have a look what the booklet for
CIELCh(65, 69.637, 84.860) contains.

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Color

CIELCh(65, 69.392, 84.817)

Conversions

Conversions Part 1

Format	Color
Hex	C59700
RGB	197, 151, 0
RGB Percent	77%, 59%, 0%
CMY	0.2270, 0.4075, 0.9991
CMYK	0.00, 0.23, 1.00, 0.23
HSL	46°, 100%, 39%
HSV	46°, 100%, 77%
XYZ	34.1354, 34.0472, 4.7786
YIQ	147.5400, 75.8870, -37.2090

Conversions

Conversions Part 2

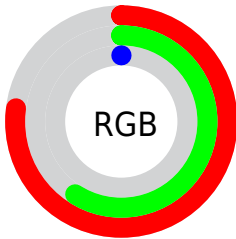
Format	Color
RYB	60, 197, 0
Decimal	12949248
CIELab	65.00, 6.27, 69.11
CIELCh	65, 69.392, 84.817
Yxy	34.0472, 0.4679, 0.4666
Android (android.graphics.Color)	4291139328 (0xFFC59700)
YUV	147.5400, -72.7372, 43.3764
Hunter-Lab	58.3500, 2.3121, 35.9893

Details

The CIELCh color **65, 69.392, 84.817** 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 **29, 93.025, 301.350**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.881, 85.919**, and **45, 52.917, 82.329** is the 20% darker color. If you saturate the color by 10%, you get **65, 69.415, 84.800**, and if you desaturate by 10%, it is **66, 67.124, 86.554**.

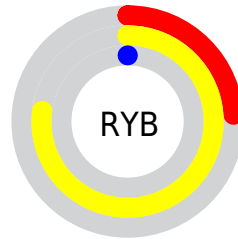
Distribution



Red (77%)

Green (59%)

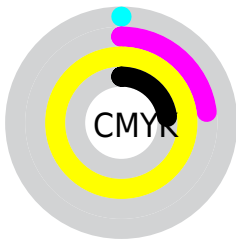
Blue (0%)



Red (24%)

Yellow (77%)

Blue (0%)

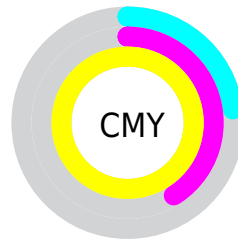


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (23%)



Cyan (23%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 69.392, 84.817 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, 69.392, 84.817 by changing the saturation by 10% instead.

■ 65, 69.392, 84.817

■ 65, 69.392, 84.817

■ 100, 69.392,
84.817

■ 55, 69.392, 84.817

■ 85, 69.392, 84.817

■ 45, 69.392, 84.817

■ 95, 69.392, 84.817

■ 35, 69.392, 84.817

■ 25, 69.392, 84.817

■ 15, 69.392, 84.817

■ 5, 69.392, 84.817

■ 0, 69.392, 84.817

■ 65, 69.392, 84.817

■ 65, 69.392, 84.817

■ 65, 69.415, 84.800

■ 66, 67.124, 86.554

67, 62.837, 88.105

69, 56.708, 89.523

70, 49.413, 90.872

72, 41.472, 92.184

73, 33.217, 93.468

75, 24.846, 94.727

76, 16.467, 95.954

78, 8.141, 97.140

Harmonies

Complementary

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



65, 69.392, 84.817



29, 93.025, 301.350

Rectangle

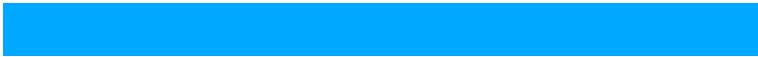
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 69.392, 84.817



65, 69.392, 134.817



65, 69.392, 264.817



65, 69.392, 314.817

Sweetspot

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



65, 69.391, 84.820



94, 30.744, 94.656



41, 74.290, 25.693



49, 20.996, 94.120



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, 69.391, 84.820



82, 84.159, 84.476



74, 82.982, 117.422



41, 4.702, 97.198



55, 60.414, 85.087



10, 15.431, 89.344

Inverse Universe

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



29, 93.025, 301.350



39, 114.637, 301.808



26, 107.826, 307.698



39, 4.744, 279.470



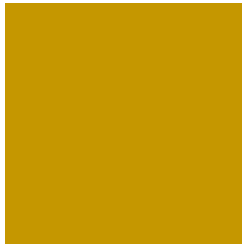
24, 79.920, 300.976



3, 18.061, 284.845

Previews

White Background



This preview shows how the CIELCh color 65, 69.392, 84.817 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 65, 69.392, 84.817 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, 69.392, 84.817

Background



This preview shows how black text looks on a background with the CIELCh color 65, 69.392, 84.817.



This preview shows how white text looks on a background with the CIELCh color 65, 69.392, 84.817.

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, 69.392, 84.817

Protanopia

65, 67.353, 95.506

Deuteranopia

65, 68.708, 83.110



Tritanopia
65, 26.600, 9.166

Trichromacy



Original Color
65, 69.392, 84.817

Protanomaly
65, 67.793, 91.484

Deuteranomaly
65, 68.931, 83.534

Tritanomaly
64, 37.866, 64.155

Monochromacy



Original Color
65, 69.392, 84.817

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 31.338, 92.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 69.392, 84.817 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(197, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 151, 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(197, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 151, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 69.392, 84.817 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(197, 151, 0) }
```

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

```
.border{ border-color:rgb(197, 151, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 151,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 69.392, 84.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 151, 0) }
```

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

```
.background{ background-color: rgb(197,  
151, 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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