

Converting Colors

CIELCh(65, 68.758, 91.166)

Have a look what the booklet for
CIELCh(65, 68.758, 91.166) contains.

CIELCh(65, 68.710, 91.150)	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(65, 68.710, 91.150)

Conversions

Conversions Part 1

Format	Color
Hex	BA9C00
RGB	186, 156, 0
RGB Percent	73%, 61%, 0%
CMY	0.2721, 0.3896, 1.0000
CMYK	0.00, 0.16, 1.00, 0.27
HSL	50°, 100%, 36%
HSV	50°, 100%, 73%
XYZ	31.9789, 34.0472, 4.8629
YIQ	147.1860, 67.9560, -42.1560

Conversions

Conversions Part 2

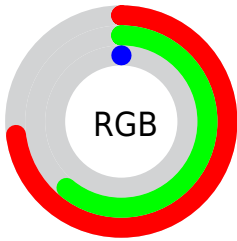
Format	Color
R _Y B	36, 186, 0
Decimal	12229632
CIE Lab	65.00, -1.38, 68.70
CIE LCh	65, 68.710, 91.150
Yxy	34.0472, 0.4511, 0.4803
Android (android.graphics.Color)	4290419712 (0xFFBA9C00)
YUV	147.1860, -72.5627, 34.0399
Hunter-Lab	58.3500, -4.2849, 35.9038

Details

The CIELCh color **65, 68.710, 91.150** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **25, 95.836, 303.594**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.832, 91.184**, and **45, 51.895, 90.076** is the 20% darker color. If you saturate the color by 10%, you get **65, 68.599, 91.146**, and if you desaturate by 10%, it is **66, 66.530, 92.345**.

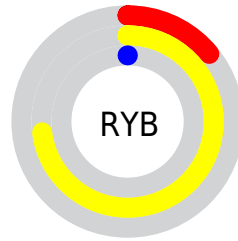
Distribution



Red (73%)

Green (61%)

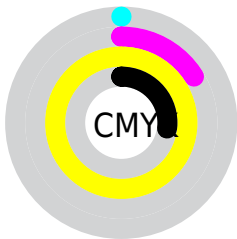
Blue (0%)



Red (14%)

Yellow (73%)

Blue (0%)

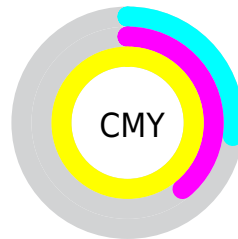


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.710, 91.150 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, 68.710, 91.150 by changing the saturation by 10% instead.

■ 65, 68.710, 91.150

■ 65, 68.710, 91.150

■ 100, 68.710,
91.150

■ 55, 68.710, 91.150

■ 85, 68.710, 91.150

■ 45, 68.710, 91.150

■ 95, 68.710, 91.150

■ 35, 68.710, 91.150

■ 25, 68.710, 91.150

■ 15, 68.710, 91.150

■ 5, 68.710, 91.150

■ 0, 68.710, 91.150

■ 65, 68.710, 91.150

■ 65, 68.710, 91.150

■ 65, 68.599, 91.146

■ 66, 66.530, 92.345

■ 67, 62.596, 93.505

■ 68, 56.830, 94.649

■ 69, 49.814, 95.800

■ 70, 42.040, 96.959

■ 71, 33.846, 98.122

■ 72, 25.442, 99.278

■ 73, 16.954,
100.417

■ 74, 8.457, 101.528

Harmonies

Complementary

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



65, 68.710, 91.150



25, 95.836, 303.594

Rectangle

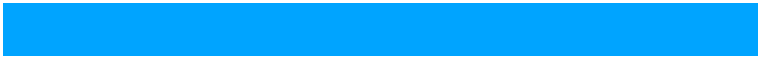
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 68.710, 91.150



65, 68.710, 141.150



65, 68.710, 271.150



65, 68.710, 321.150

Sweetspot

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



65, 68.599, 91.146



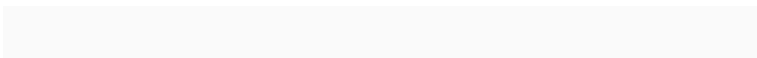
91, 31.587, 99.220



39, 74.846, 31.861



48, 21.712, 98.731



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



65, 68.599, 91.146



83, 83.653, 90.923



69, 81.352, 121.455



38, 4.748, 101.600



55, 60.274, 91.324



8, 12.010, 97.954

Inverse Universe

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



25, 95.836, 303.594



34, 118.487, 303.954



25, 101.686, 308.783



36, 4.814, 283.715



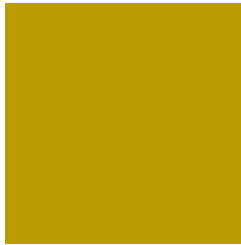
20, 83.227, 303.285



2, 13.578, 285.042

Previews

White Background



This preview shows how the CIELCh color 65, 68.710, 91.150 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, 68.710, 91.150 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, 68.710, 91.150

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.710, 91.150.

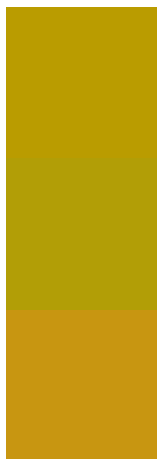


This preview shows how white text looks on a background with the CIELCh color 65, 68.710, 91.150.

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, 68.710, 91.150

Protanopia

65, 67.631, 95.075

Deuteranopia

65, 67.347, 82.868



Tritanopia
65, 20.211, 4.082

Trichromacy



Original Color
65, 68.710, 91.150

Protanomaly
65, 67.898, 93.480

Deuteranomaly
65, 67.725, 85.800

Tritanomaly
65, 33.703, 73.706

Monochromacy



Original Color
65, 68.710, 91.150

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 31.263, 97.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.710, 91.150 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(186, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 156, 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(186, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 156, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.710, 91.150 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(186, 156, 0) }
```

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

```
.border{ border-color:rgb(186, 156, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 156, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 156,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.710, 91.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 156, 0) }
```

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

```
.background{ background-color: rgb(186,  
156, 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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