

Converting Colors

CIELCh(65, 68.760, 86.269)

Have a look what the booklet for
CIELCh(65, 68.760, 86.269) contains.

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Color

CIELCh(65, 68.644, 86.310)

Conversions

Conversions Part 1

Format	Color
Hex	C29804
RGB	194, 152, 4
RGB Percent	76%, 60%, 2%
CMY	0.2381, 0.4030, 0.9860
CMYK	0.00, 0.22, 0.98, 0.24
HSL	47°, 96%, 39%
HSV	47°, 98%, 76%
XYZ	33.6049, 34.0472, 4.9030
YIQ	147.6860, 72.5400, -37.1240

Conversions

Conversions Part 2

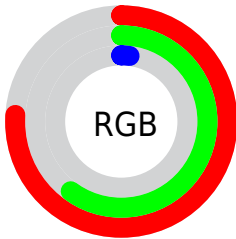
Format	Color
RYB	58, 194, 4
Decimal	12752900
CIELab	65.00, 4.42, 68.50
CIELCh	65, 68.644, 86.310
Yxy	34.0472, 0.4632, 0.4693
Android (android.graphics.Color)	4290942980 (0xFFC29804)
YUV	147.6860, -70.8372, 40.6174
Hunter-Lab	58.3500, 0.6891, 35.8630

Details

The CIELCh color **65, 68.644, 86.310** 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, 91.877, 301.384**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.712, 86.299**, and **45, 52.467, 84.481** is the 20% darker color. If you saturate the color by 10%, you get **65, 69.019, 86.012**, and if you desaturate by 10%, it is **66, 66.211, 87.932**.

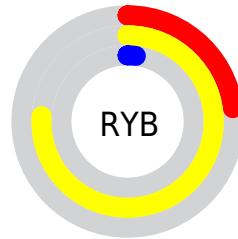
Distribution



Red (76%)

Green (60%)

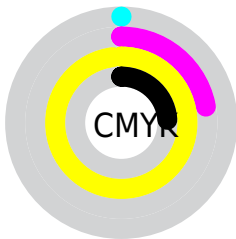
Blue (2%)



Red (23%)

Yellow (76%)

Blue (2%)

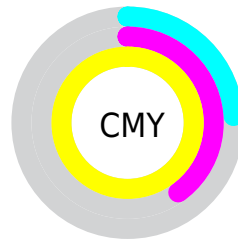


Cyan (0%)

Magenta (22%)

Yellow (98%)

Black (24%)



Cyan (24%)

Magenta (40%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.644, 86.310 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, 68.644, 86.310 by changing the saturation by 10% instead.

■ 65, 68.644, 86.310

■ 65, 68.644, 86.310

■ 100, 68.644,
86.310

■ 55, 68.644, 86.310

■ 85, 68.644, 86.310

■ 45, 68.644, 86.310

■ 95, 68.644, 86.310

■ 35, 68.644, 86.310

■ 25, 68.644, 86.310

■ 15, 68.644, 86.310

■ 5, 68.644, 86.310

■ 0, 68.644, 86.310

■ 65, 68.644, 86.310

■ 65, 68.644, 86.310

■ 65, 69.019, 86.012

■ 66, 66.211, 87.932

67, 61.643, 89.387

69, 55.355, 90.744

70, 47.990, 92.052

71, 40.029, 93.332

73, 31.777, 94.592

74, 23.416, 95.828

76, 15.046, 97.034

77, 6.724, 98.196

Harmonies

Complementary

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



65, 68.644, 86.310



29, 91.877, 301.384

Rectangle

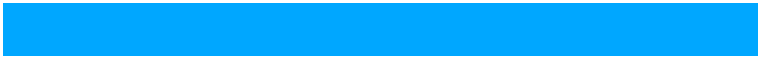
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 68.644, 86.310



65, 68.644, 136.310



65, 68.644, 266.310



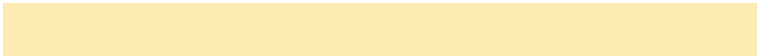
65, 68.644, 316.310

Sweetspot

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



65, 68.643, 86.313



94, 29.841, 95.669



41, 73.362, 26.126



50, 20.660, 95.133



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, 68.643, 86.313



82, 83.938, 85.702



73, 82.023, 118.119



40, 4.667, 98.059



54, 60.026, 86.285



9, 14.150, 91.087

Inverse Universe

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



29, 91.877, 301.384



38, 115.469, 302.262



26, 105.480, 307.874



38, 4.713, 280.299



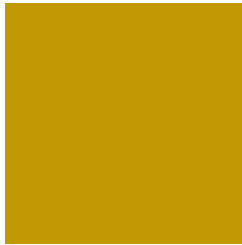
23, 80.187, 301.441



2, 16.501, 284.375

Previews

White Background



This preview shows how the CIELCh color 65, 68.644, 86.310 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, 68.644, 86.310 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, 68.644, 86.310

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.644, 86.310.



This preview shows how white text looks on a background with the CIELCh color 65, 68.644, 86.310.

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, 68.508, 86.293

Protanopia

65, 67.101, 95.071

Deuteranopia

65, 68.309, 83.040



Tritanopia
65, 24.498, 9.062

Trichromacy



Original Color
65, 68.508, 86.293

Protanomaly
65, 67.423, 91.854

Deuteranomaly
65, 68.478, 84.294

Tritanomaly
65, 36.143, 66.613

Monochromacy



Original Color
65, 68.508, 86.293

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 31.088, 94.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.644, 86.310 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(194, 152, 4)` looks like.

```
.text, #text, p{  
    color:rgb(194, 152, 4)  
}
```

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(194, 152, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 152, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.644, 86.310 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(194, 152, 4) }
```

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

```
.border{ border-color:rgb(194, 152, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 152, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 152, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 152, 4);  
box-shadow:4px 4px 4px 4px rgb(194, 152,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.644, 86.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 152, 4) }
```

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

```
.background{ background-color: rgb(194,  
152, 4) }
```

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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