

Converting Colors

CIELCh(65, 68.380, 96.035)

Have a look what the booklet for
CIELCh(65, 68.380, 96.035) contains.

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Color

CIELCh(65, 68.423, 96.276)

Conversions

Conversions Part 1

Format	Color
Hex	B09F01
RGB	176, 159, 1
RGB Percent	69%, 62%, 0%
CMY	0.3096, 0.3763, 0.9957
CMYK	0.00, 0.10, 0.99, 0.31
HSL	54°, 99%, 35%
HSV	54°, 99%, 69%
XYZ	30.3252, 34.0472, 5.0047
YIQ	146.0710, 60.8500, -45.5340

Conversions

Conversions Part 2

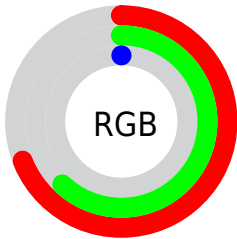
Format	Color
RYB	20, 176, 1
Decimal	11575041
CIELab	65.00, -7.48, 68.01
CIElCh	65, 68.423, 96.276
Yxy	34.0472, 0.4371, 0.4908
Android (android.graphics.Color)	4289765121 (0xFFB09F01)
YUV	146.0710, -71.5200, 26.2477
Hunter-Lab	58.3500, -9.3438, 35.7596

Details

The CIELCh color **65, 68.423, 96.276** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **22, 96.209, 304.869**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.305, 96.299**, and **45, 51.788, 96.815** is the 20% darker color. If you saturate the color by 10%, you get **65, 68.545, 96.231**, and if you desaturate by 10%, it is **66, 66.300, 97.042**.

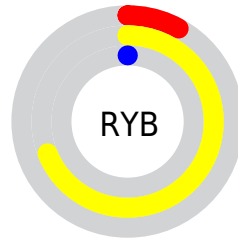
Distribution



Red (69%)

Green (62%)

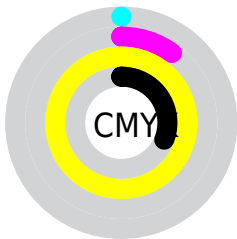
Blue (0%)



Red (8%)

Yellow (69%)

Blue (0%)

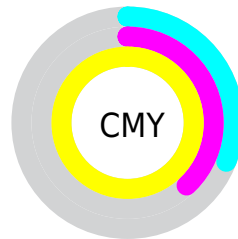


Cyan (0%)

Magenta (10%)

Yellow (99%)

Black (31%)



Cyan (31%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.423, 96.276 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, 68.423, 96.276 by changing the saturation by 10% instead.

■ 65, 68.423, 96.276

■ 65, 68.423, 96.276

■ 100, 68.423,
96.276

■ 55, 68.423, 96.276

■ 85, 68.423, 96.276

■ 45, 68.423, 96.276

■ 95, 68.423, 96.276

■ 35, 68.423, 96.276

■ 25, 68.423, 96.276

■ 15, 68.423, 96.276

■ 5, 68.423, 96.276

■ 0, 68.423, 96.276

■ 65, 68.423, 96.276

■ 65, 68.423, 96.276

■ 65, 68.545, 96.231

■ 66, 66.300, 97.042

■ 66, 62.389, 97.868

■ 67, 56.717, 98.770

■ 67, 49.793, 99.739

■ 68, 42.065,
100.759

■ 69, 33.858,
101.808

■ 69, 25.385,
102.870

■ 70, 16.777,
103.929

■ 71, 8.115, 104.970

Harmonies

Complementary

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



65, 68.423, 96.276



22, 96.209, 304.869

Rectangle

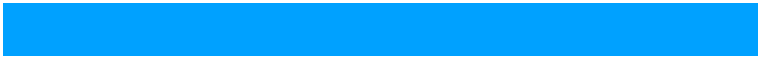
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 68.423, 96.276



65, 68.423, 146.276



65, 68.423, 276.276



65, 68.423, 326.276

Sweetspot

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



65, 68.422, 96.278



88, 32.151, 102.748



37, 74.620, 35.465



46, 21.873, 102.311



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 68.422, 96.278



83, 83.484, 96.105



65, 79.707, 124.230



37, 4.958, 104.974



57, 61.855, 96.311



7, 11.456, 103.572

Inverse Universe

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



22, 96.209, 304.869



30, 118.885, 305.216



25, 96.163, 309.915



35, 5.045, 286.967



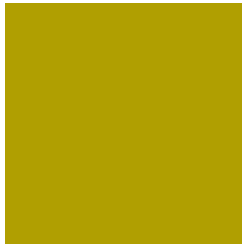
19, 86.534, 304.765



1, 12.327, 286.983

Previews

White Background



This preview shows how the CIELCh color 65, 68.423, 96.276 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, 68.423, 96.276 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, 68.423, 96.276

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.423, 96.276.

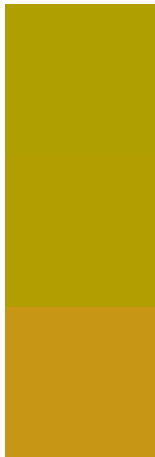


This preview shows how white text looks on a background with the CIELCh color 65, 68.423, 96.276.

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, 68.423, 96.276

Protanopia

65, 68.441, 95.080

Deuteranopia

65, 66.376, 83.089



Tritanopia
65, 15.647, 358.150

Trichromacy



Original Color
65, 68.423, 96.276

Protanomaly
65, 68.372, 95.465

Deuteranomaly
65, 66.839, 87.715

Tritanomaly
64, 30.749, 81.860

Monochromacy



Original Color
65, 68.423, 96.276

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 32.006, 101.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.423, 96.276 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(176, 159, 1)` looks like.

```
.text, #text, p{  
    color:rgb(176, 159, 1)  
}
```

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(176, 159, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 159, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.423, 96.276 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(176, 159, 1) }
```

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

```
.border{ border-color:rgb(176, 159, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 159, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 159, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 159, 1);  
box-shadow:4px 4px 4px 4px rgb(176, 159,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.423, 96.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 159, 1) }
```

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

```
.background{ background-color: rgb(176,  
159, 1) }
```

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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