

Converting Colors

CIELCh(65, 68.862, 98.293)

Have a look what the booklet for
CIELCh(65, 68.862, 98.293) contains.

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Color

CIELCh(65, 68.622, 98.231)

Conversions

Conversions Part 1

Format	Color
Hex	ACA001
RGB	172, 160, 1
RGB Percent	67%, 63%, 0%
CMY	0.3243, 0.3714, 0.9973
CMYK	0.00, 0.07, 1.00, 0.32
HSL	56°, 99%, 34%
HSV	56°, 100%, 68%
XYZ	29.7052, 34.0472, 5.0252
YIQ	145.4620, 58.1910, -46.9050

Conversions

Conversions Part 2

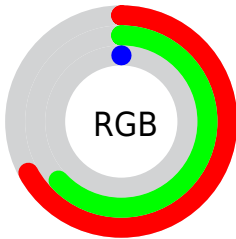
Format	Color
RYB	14, 172, 1
Decimal	11313153
CIELab	65.00, -9.82, 67.92
CIElCh	65, 68.622, 98.231
Yxy	34.0472, 0.4319, 0.4950
Android (android.graphics.Color)	4289503233 (0xFFACA001)
YUV	145.4620, -71.2198, 23.2738
Hunter-Lab	58.3500, -11.2404, 35.7388

Details

The CIELCh color **65, 68.622, 98.231** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **21, 96.277, 305.326**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.380, 98.127**, and **45, 51.905, 99.584** is the 20% darker color. If you saturate the color by 10%, you get **65, 68.700, 98.210**, and if you desaturate by 10%, it is **65, 66.489, 98.830**.

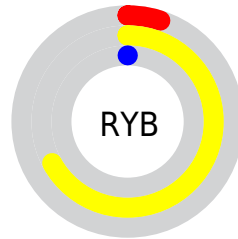
Distribution



Red (67%)

Green (63%)

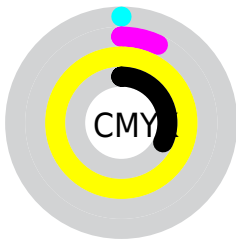
Blue (0%)



Red (5%)

Yellow (67%)

Blue (0%)

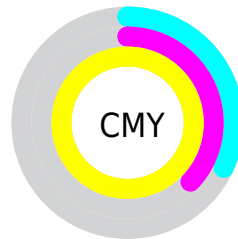


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (37%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.622, 98.231 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, 68.622, 98.231 by changing the saturation by 10% instead.

 65, 68.622, 98.231

 65, 68.622, 98.231

 100, 68.622,
98.231

 55, 68.622, 98.231

 85, 68.622, 98.231

 45, 68.622, 98.231

 95, 68.622, 98.231

 35, 68.622, 98.231

 25, 68.622, 98.231

 15, 68.622, 98.231

 5, 68.622, 98.231

 0, 68.622, 98.231

 65, 68.622, 98.231

 65, 68.622, 98.231

 65, 68.700, 98.210

 65, 66.489, 98.830

■ 66, 62.653, 99.522

■ 66, 57.069,
100.323

■ 67, 50.210,
101.216

■ 67, 42.515,
102.175

■ 68, 34.307,
103.177

■ 68, 25.802,
104.200

■ 69, 17.139,
105.227

■ 70, 8.403, 106.241

Harmonies

Complementary

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



65, 68.622, 98.231



21, 96.277, 305.326

Rectangle

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



65, 68.622, 98.231



65, 68.622, 148.231



65, 68.622, 278.231



65, 68.622, 328.231

Sweetspot

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



65, 68.621, 98.233



87, 32.398, 104.104



36, 74.234, 36.315



46, 22.027, 103.687



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 68.621, 98.233



83, 83.605, 98.122



64, 78.937, 124.896



36, 4.978, 106.271



57, 62.205, 98.264



7, 10.217, 105.745

Inverse Universe

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



21, 96.277, 305.326



29, 118.450, 305.587



25, 94.421, 310.234



34, 5.071, 288.211



18, 86.841, 305.213



1, 10.702, 287.791

Previews

White Background



This preview shows how the CIELCh color 65, 68.622, 98.231 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, 68.622, 98.231 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, 68.622, 98.231

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.622, 98.231.

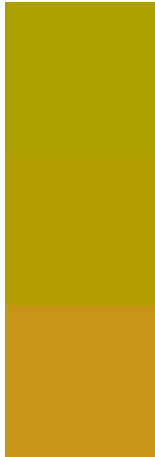


This preview shows how white text looks on a background with the CIELCh color 65, 68.622, 98.231.

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, 68.487, 98.236

Protanopia

65, 68.441, 95.080

Deuteranopia

65, 66.161, 83.049



Tritanopia
65, 14.410, 353.435

Trichromacy



Original Color
65, 68.487, 98.236

Protanomaly
65, 68.558, 96.275

Deuteranomaly
65, 66.749, 88.948

Tritanomaly
64, 29.769, 85.673

Monochromacy



Original Color
65, 68.487, 98.236

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 31.970, 102.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.622, 98.231 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(172, 160, 1)` looks like.

```
.text, #text, p{  
    color:rgb(172, 160, 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(172, 160, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 160, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.622, 98.231 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(172, 160, 1) }
```

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

```
.border{ border-color:rgb(172, 160, 1) }
```

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

Here you see how a box with a 4 pixel rgb(172, 160, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 160, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 160, 1);  
box-shadow:4px 4px 4px 4px rgb(172, 160,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.622, 98.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 160, 1) }
```

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

```
.background{ background-color: rgb(172,  
160, 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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