

Converting Colors

CIELCh(65, 68.953, 83.776)

Have a look what the booklet for
CIELCh(65, 68.953, 83.776) contains.

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Color

CIELCh(65, 68.931, 83.534)

Conversions

Conversions Part 1

Format	Color
Hex	C79605
RGB	199, 150, 5
RGB Percent	78%, 59%, 2%
CMY	0.2188, 0.4111, 0.9788
CMYK	0.00, 0.25, 0.97, 0.22
HSL	45°, 95%, 40%
HSV	45°, 97%, 78%
XYZ	34.5677, 34.0472, 4.9049
YIQ	148.1210, 75.7490, -34.7070

Conversions

Conversions Part 2

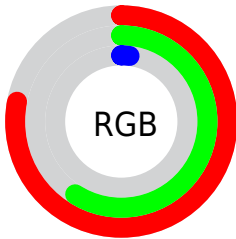
Format	Color
R_{YB}	71, 199, 5
Decimal	13080069
CIE _{Lab}	65.00, 7.76, 68.49
CIE _{LCh}	65, 68.931, 83.534
Yxy	34.0472, 0.4702, 0.4631
Android (android.graphics.Color)	4291270149 (0xFFC79605)
YUV	148.1210, -70.5587, 44.6209
Hunter-Lab	58.3500, 3.6344, 35.8611

Details

The CIELCh color **65, 68.931, 83.534** 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 **31, 89.191, 299.895**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.910, 85.345**, and **45, 53.237, 80.705** is the 20% darker color. If you saturate the color by 10%, you get **65, 69.516, 83.026**, and if you desaturate by 10%, it is **66, 66.201, 85.373**.

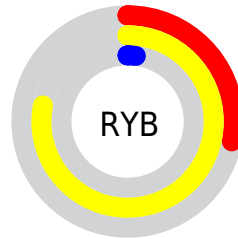
Distribution



Red (78%)

Green (59%)

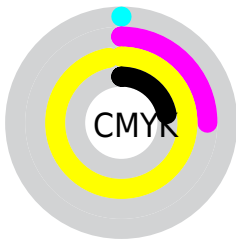
Blue (2%)



Red (28%)

Yellow (78%)

Blue (2%)

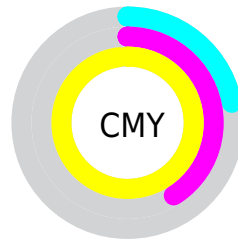


Cyan (0%)

Magenta (25%)

Yellow (97%)

Black (22%)



Cyan (22%)

Magenta (41%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.931, 83.534 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, 68.931, 83.534 by changing the saturation by 10% instead.

65, 68.931, 83.534

65, 68.931, 83.534

100, 68.931,
83.534

55, 68.931, 83.534

85, 68.931, 83.534

45, 68.931, 83.534

95, 68.931, 83.534

35, 68.931, 83.534

25, 68.931, 83.534

15, 68.931, 83.534

5, 68.931, 83.534

0, 68.931, 83.534

65, 68.931, 83.534

65, 68.931, 83.534

65, 69.516, 83.026

66, 66.201, 85.373

68, 61.258, 86.970

69, 54.678, 88.426

71, 47.122, 89.807

72, 39.061, 91.144

74, 30.779, 92.450

76, 22.442, 93.724

77, 14.139, 94.963

79, 5.917, 96.150

Harmonies

Complementary

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



65, 68.931, 83.534



31, 89.191, 299.895

Rectangle

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



65, 68.931, 83.534



65, 68.931, 133.534



65, 68.931, 263.534



65, 68.931, 313.534

Sweetspot

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



65, 68.930, 83.537



94, 29.178, 93.454



42, 73.028, 22.955



49, 20.054, 92.904



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, 68.930, 83.537



81, 83.633, 82.686



75, 82.625, 116.353



41, 4.609, 95.908



54, 60.024, 83.358



10, 15.108, 87.461

Inverse Universe

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



31, 89.191, 299.895



39, 111.964, 301.077



27, 107.591, 307.482



39, 4.643, 278.216



25, 77.978, 300.196



3, 17.791, 284.159

Previews

White Background



This preview shows how the CIELCh color 65, 68.931, 83.534 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, 68.931, 83.534 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, 68.931, 83.534

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.931, 83.534.



This preview shows how white text looks on a background with the CIELCh color 65, 68.931, 83.534.

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, 68.931, 83.534

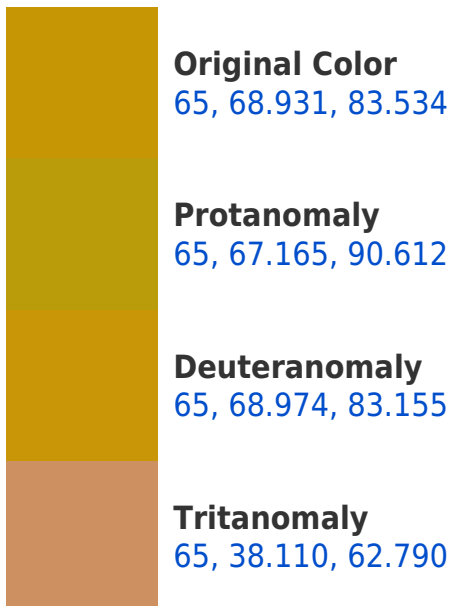
Protanopia
65, 66.825, 95.068

Deuteranopia
65, 68.841, 83.132



Tritanopia
65, 26.950, 10.568

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.931, 83.534 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(199, 150, 5)` looks like.

```
.text, #text, p{  
    color:rgb(199, 150, 5)  
}
```

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(199, 150, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 150, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.931, 83.534 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(199, 150, 5) }
```

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

```
.border{ border-color:rgb(199, 150, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 150, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 150, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 150, 5);  
box-shadow:4px 4px 4px 4px rgb(199, 150,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.931, 83.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 150, 5) }
```

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

```
.background{ background-color: rgb(199,  
150, 5) }
```

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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