

Converting Colors

CIELCh(65, 68.772, 81.572)

Have a look what the booklet for
CIELCh(65, 68.772, 81.572) contains.

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Color

CIELCh(65, 68.707, 81.886)

Conversions

Conversions Part 1

Format	Color
Hex	CA950A
RGB	202, 149, 10
RGB Percent	79%, 58%, 4%
CMY	0.2081, 0.4159, 0.9613
CMYK	0.00, 0.26, 0.95, 0.21
HSL	43°, 91%, 42%
HSV	43°, 95%, 79%
XYZ	35.1329, 34.0472, 5.0034
YIQ	149.0010, 76.2070, -31.9930

Conversions

Conversions Part 2

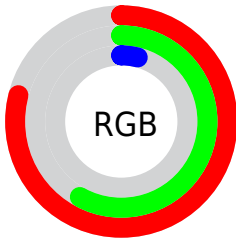
Format	Color
RYB	83, 202, 10
Decimal	13276426
CIELab	65.00, 9.70, 68.02
CIELCh	65, 68.707, 81.886
Yxy	34.0472, 0.4736, 0.4590
Android (android.graphics.Color)	4291466506 (0xFFCA950A)
YUV	149.0010, -68.5275, 46.4801
Hunter-Lab	58.3500, 5.3637, 35.7610

Details

The CIELCh color **65, 68.707, 81.886** 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 **34, 85.356, 298.220**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.319, 84.823**, and **45, 53.836, 78.643** is the 20% darker color. If you saturate the color by 10%, you get **64, 69.795, 80.879**, and if you desaturate by 10%, it is **66, 65.373, 83.814**.

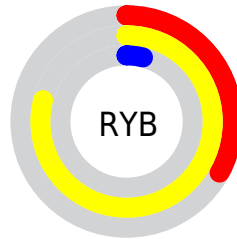
Distribution



Red (79%)

Green (58%)

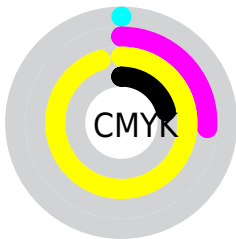
Blue (4%)



Red (33%)

Yellow (79%)

Blue (4%)

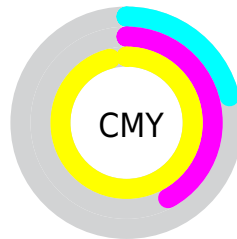


Cyan (0%)

Magenta (26%)

Yellow (95%)

Black (21%)



Cyan (21%)

Magenta (42%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.707, 81.886 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, 68.707, 81.886 by changing the saturation by 10% instead.

■ 65, 68.707, 81.886

■ 65, 68.707, 81.886

■ 100, 68.707,
81.886

■ 55, 68.707, 81.886

■ 85, 68.707, 81.886

■ 45, 68.707, 81.886

■ 95, 68.707, 81.886

■ 35, 68.707, 81.886

■ 25, 68.707, 81.886

■ 15, 68.707, 81.886

■ 5, 68.707, 81.886

■ 0, 68.707, 81.886

■ 65, 68.707, 81.886

■ 65, 68.707, 81.886

■ 64, 69.795, 80.879

■ 66, 65.373, 83.814

68, 59.863, 85.464

70, 52.906, 86.960

71, 45.141, 88.374

73, 36.990, 89.739

75, 28.701, 91.067

77, 20.413, 92.359

78, 12.196, 93.611

80, 4.087, 94.796

Harmonies

Complementary

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



65, 68.707, 81.886



34, 85.356, 298.220

Rectangle

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



65, 68.707, 81.886



65, 68.707, 131.886



65, 68.707, 261.886



65, 68.707, 311.886

Sweetspot

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



65, 68.706, 81.889



93, 28.567, 91.810



43, 72.331, 20.365



49, 19.647, 91.248



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, 68.706, 81.889



80, 83.135, 80.525



76, 82.626, 115.316



42, 4.596, 94.301



54, 60.326, 81.239



11, 16.197, 84.864

Inverse Universe

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



34, 85.356, 298.220



41, 108.649, 300.125



27, 107.862, 307.286



40, 4.621, 276.659



26, 76.556, 299.229



3, 19.132, 284.394

Previews

White Background



This preview shows how the CIELCh color 65, 68.707, 81.886 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, 68.707, 81.886 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, 68.707, 81.886

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.707, 81.886.



This preview shows how white text looks on a background with the CIELCh color 65, 68.707, 81.886.

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, 68.707, 81.886

Protanopia

65, 66.612, 95.503

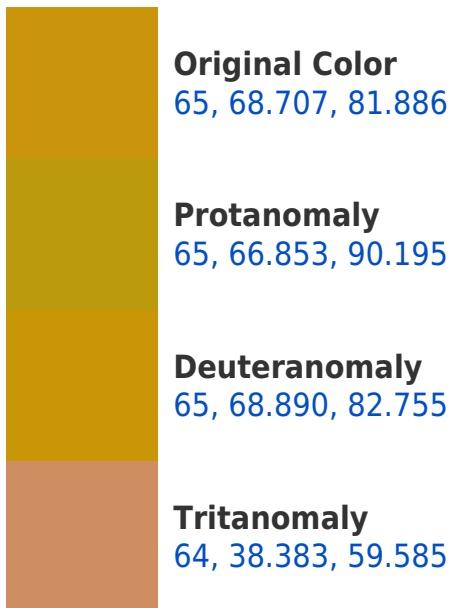
Deuteranopia

65, 68.841, 83.132



Tritanopia
65, 29.055, 10.609

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.707, 81.886 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(202, 149, 10)` looks like.

```
.text, #text, p{  
    color:rgb(202, 149, 10)  
}
```

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(202, 149, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 149, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.707, 81.886 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(202, 149, 10) }
```

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

```
.border{ border-color:rgb(202, 149, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 149, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 149, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 149, 10);  
box-shadow:4px 4px 4px 4px rgb(202, 149,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.707, 81.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 149, 10) }
```

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

```
.background{ background-color: rgb(202,  
149, 10) }
```

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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