

Converting Colors

CIELCh(65, 70.283, 80.618)

Have a look what the booklet for
CIELCh(65, 70.283, 80.618) contains.

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Color

CIELCh(65, 70.410, 80.623)

Conversions

Conversions Part 1

Format	Color
Hex	CD9400
RGB	205, 148, 0
RGB Percent	80%, 58%, 0%
CMY	0.1972, 0.4205, 0.9981
CMYK	0.00, 0.28, 1.00, 0.20
HSL	43°, 100%, 40%
HSV	43°, 100%, 80%
XYZ	35.6567, 34.0472, 4.7057
YIQ	148.1710, 81.4800, -33.9440

Conversions

Conversions Part 2

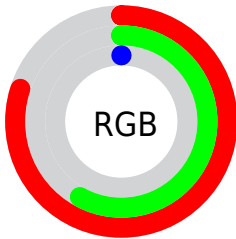
Format	Color
RYB	79, 205, 0
Decimal	13472768
CIELab	65.00, 11.47, 69.47
CIElCh	65, 70.410, 80.623
Yxy	34.0472, 0.4792, 0.4576
Android (android.graphics.Color)	4291662848 (0xFFCD9400)
YUV	148.1710, -73.0483, 49.8390
Hunter-Lab	58.3500, 6.9660, 36.0635

Details

The CIELCh color **65, 70.410, 80.623** 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 **33, 90.338, 299.520**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 68.274, 84.583**, and **45, 54.265, 77.091** is the 20% darker color. If you saturate the color by 10%, you get **65, 70.463, 80.578**, and if you desaturate by 10%, it is **66, 67.888, 82.687**.

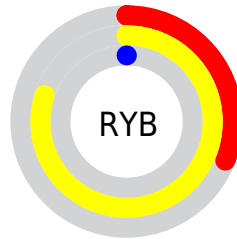
Distribution



Red (80%)

Green (58%)

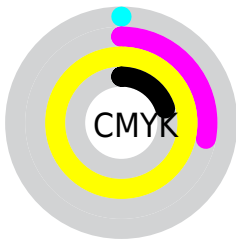
Blue (0%)



Red (31%)

Yellow (80%)

Blue (0%)

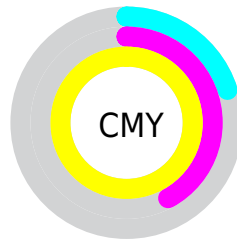


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 70.410, 80.623 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, 70.410, 80.623 by changing the saturation by 10% instead.

■ 65, 70.410, 80.623

■ 65, 70.410, 80.623

■ 100, 70.410,
80.623

■ 55, 70.410, 80.623

■ 85, 70.410, 80.623

■ 45, 70.410, 80.623

■ 95, 70.410, 80.623

■ 35, 70.410, 80.623

■ 25, 70.410, 80.623

■ 15, 70.410, 80.623

■ 5, 70.410, 80.623

■ 0, 70.410, 80.623

■ 65, 70.410, 80.623

■ 65, 70.410, 80.623

■ 65, 70.463, 80.578

■ 66, 67.888, 82.687

68, 63.258, 84.465

70, 56.811, 86.032

71, 49.276, 87.486

73, 41.182, 88.877

75, 32.855, 90.226

77, 24.477, 91.540

78, 16.148, 92.816

80, 7.916, 94.043

Harmonies

Complementary

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



65, 70.410, 80.623



33, 90.338, 299.520

Rectangle

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



65, 70.410, 80.623



65, 70.410, 130.623



65, 70.410, 260.623



65, 70.410, 310.623

Sweetspot

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



65, 70.409, 80.626



93, 29.490, 91.460



43, 75.029, 22.918



49, 20.165, 90.903



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, 70.409, 80.626



79, 83.081, 80.243



77, 84.603, 115.675



42, 4.582, 94.088



53, 60.284, 80.966



11, 16.151, 84.560

Inverse Universe

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



33, 90.338, 299.520



41, 108.210, 299.995



27, 111.418, 307.350



40, 4.605, 276.451



26, 76.239, 299.093



3, 19.086, 284.284

Previews

White Background



This preview shows how the CIELCh color 65, 70.410, 80.623 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, 70.410, 80.623 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, 70.410, 80.623

Background



This preview shows how black text looks on a background with the CIELCh color 65, 70.410, 80.623.



This preview shows how white text looks on a background with the CIELCh color 65, 70.410, 80.623.

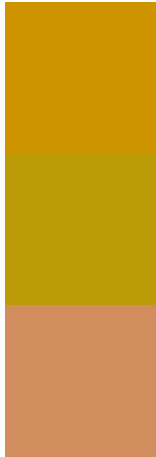
Color Blindness Simulation

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



Trichromacy



Original Color
65, 70.546, 80.650

Protanomaly
65, 67.664, 89.866

Tritanomaly
64, 41.081, 59.473

Monochromacy



Original Color
65, 70.546, 80.650

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 31.370, 89.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 70.410, 80.623 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(205, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 148, 0)  
}
```

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(205, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 148, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 70.410, 80.623 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(205, 148, 0) }
```

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

```
.border{ border-color:rgb(205, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 148,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 70.410, 80.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 148, 0) }
```

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

```
.background{ background-color: rgb(205,  
148, 0) }
```

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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