

Converting Colors

CIELCh(66, 70.933, 83.712)

Have a look what the booklet for
CIELCh(66, 70.933, 83.712) contains.

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Color

CIELCh(66, 70.646, 83.608)

Conversions

Conversions Part 1

Format	Color
Hex	CB9900
RGB	203, 153, 0
RGB Percent	80%, 60%, 0%
CMY	0.2053, 0.4012, 1.0000
CMYK	0.00, 0.25, 1.00, 0.21
HSL	45°, 100%, 40%
HSV	45°, 100%, 79%
XYZ	35.8658, 35.3238, 4.9069
YIQ	150.5080, 78.9130, -36.9830

Conversions

Conversions Part 2

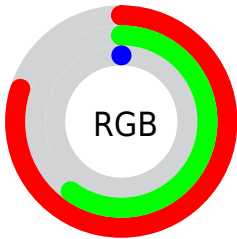
Format	Color
RYB	66, 203, 0
Decimal	13342976
CIELab	66.00, 7.87, 70.21
CIELCh	66, 70.646, 83.608
Yxy	35.3238, 0.4713, 0.4642
Android (android.graphics.Color)	4291533056 (0xFFFCB9900)
YUV	150.5080, -74.2004, 46.0355
Hunter-Lab	59.4338, 3.7079, 36.7087

Details

The CIELCh color **66, 70.646, 83.608** 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, 93.738, 300.936**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.928, 86.738**, and **46, 54.046, 80.564** is the 20% darker color. If you saturate the color by 10%, you get **66, 70.549, 83.595**, and if you desaturate by 10%, it is **67, 68.244, 85.433**.

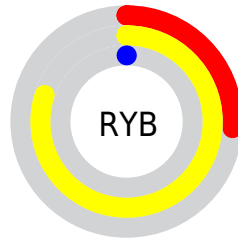
Distribution



Red (80%)

Green (60%)

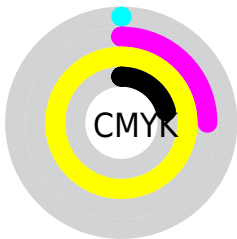
Blue (0%)



Red (26%)

Yellow (80%)

Blue (0%)

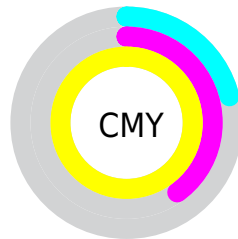


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 70.646, 83.608 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 66, 70.646, 83.608 by changing the saturation by 10% instead.

66, 70.646, 83.608

66, 70.646, 83.608

100, 70.646,
83.608

56, 70.646, 83.608

86, 70.646, 83.608

46, 70.646, 83.608

96, 70.646, 83.608

36, 70.646, 83.608

26, 70.646, 83.608

16, 70.646, 83.608

6, 70.646, 83.608

0, 70.646, 83.608

66, 70.646, 83.608

66, 70.646, 83.608

66, 70.549, 83.595

67, 68.244, 85.433

69, 63.862, 87.058

70, 57.599, 88.525

72, 50.158, 89.908

73, 42.075, 91.246

75, 33.692, 92.553

76, 25.205, 93.830

78, 16.725, 95.074

80, 8.311, 96.274

Harmonies

Complementary

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



66, 70.646, 83.608



31, 93.738, 300.936

Rectangle

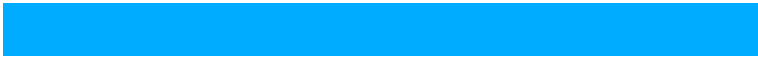
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 70.646, 83.608



66, 70.646, 133.608



66, 70.646, 263.608



66, 70.646, 313.608

Sweetspot

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



66, 70.549, 83.595



94, 30.379, 93.779



43, 75.961, 25.864



49, 20.754, 93.236



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 70.549, 83.595



81, 83.799, 83.291



76, 84.757, 117.454



42, 4.738, 96.344



55, 60.833, 83.916



11, 16.679, 87.768

Inverse Universe

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



31, 93.738, 300.936



39, 112.875, 301.330



27, 110.164, 307.686



40, 4.775, 278.648



25, 79.636, 300.503



3, 19.582, 285.427

Previews

White Background



This preview shows how the CIELCh color 66, 70.646, 83.608 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 66, 70.646, 83.608 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 66, 70.646, 83.608

Background



This preview shows how black text looks on a background with the CIELCh color 66, 70.646, 83.608.

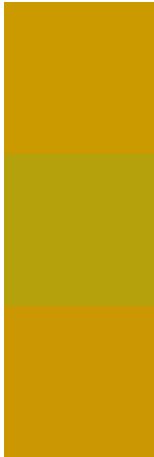


This preview shows how white text looks on a background with the CIELCh color 66, 70.646, 83.608.

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

66, 70.646, 83.608

Protanopia

66, 67.934, 95.204

Deuteranopia

66, 70.004, 83.067



Tritanopia
66, 27.722, 9.844

Trichromacy



Original Color
66, 70.646, 83.608

Protanomaly
66, 68.500, 90.850

Deuteranomaly
66, 70.136, 83.089

Tritanomaly
66, 39.166, 63.333

Monochromacy



Original Color
66, 70.646, 83.608

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 31.907, 92.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 70.646, 83.608 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(203, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 153, 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(203, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 153, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 70.646, 83.608 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(203, 153, 0) }
```

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

```
.border{ border-color:rgb(203, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 153,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 70.646, 83.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 153, 0) }
```

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

```
.background{ background-color: rgb(203,  
153, 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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