

Converting Colors

CIELCh(66, 70.961, 81.709)

Have a look what the booklet for
CIELCh(66, 70.961, 81.709) contains.

CIELCh(66, 70.993, 81.675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 70.993, 81.675)

Conversions

Conversions Part 1

Format	Color
Hex	CE9700
RGB	206, 151, 0
RGB Percent	81%, 59%, 0%
CMY	0.1915, 0.4073, 0.9987
CMYK	0.00, 0.27, 1.00, 0.19
HSL	44°, 100%, 40%
HSV	44°, 100%, 81%
XYZ	36.5894, 35.3238, 4.8990
YIQ	150.2310, 81.2510, -35.3010

Conversions

Conversions Part 2

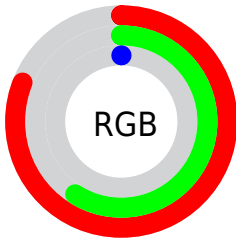
Format	Color
RYB	75, 206, 0
Decimal	13539072
CIELab	66.00, 10.28, 70.24
CIElCh	66, 70.993, 81.675
Yxy	35.3238, 0.4763, 0.4599
Android (android.graphics.Color)	4291729152 (0xFFCE9700)
YUV	150.2310, -74.0639, 48.9094
Hunter-Lab	59.4338, 5.8813, 36.7165

Details

The CIELCh color **66, 70.993, 81.675** 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 **32, 92.363, 300.065**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.881, 85.919**, and **46, 54.648, 78.542** is the 20% darker color. If you saturate the color by 10%, you get **66, 71.029, 81.645**, and if you desaturate by 10%, it is **67, 68.556, 83.666**.

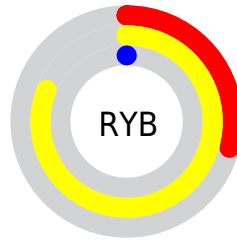
Distribution



Red (81%)

Green (59%)

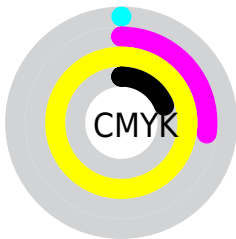
Blue (0%)



Red (29%)

Yellow (81%)

Blue (0%)

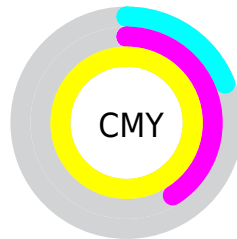


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 70.993, 81.675 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, 70.993, 81.675 by changing the saturation by 10% instead.

■ 66, 70.993, 81.675

■ 66, 70.993, 81.675

■ 100, 70.993,
81.675

■ 56, 70.993, 81.675

■ 86, 70.993, 81.675

■ 46, 70.993, 81.675

■ 96, 70.993, 81.675

■ 36, 70.993, 81.675

■ 26, 70.993, 81.675

■ 16, 70.993, 81.675

■ 6, 70.993, 81.675

■ 0, 70.993, 81.675

■ 66, 70.993, 81.675

■ 66, 70.993, 81.675

■ 66, 71.029, 81.645

■ 67, 68.556, 83.666

69, 63.989, 85.394

70, 57.561, 86.929

72, 49.999, 88.360

74, 41.842, 89.734

75, 33.423, 91.070

77, 24.935, 92.373

79, 16.480, 93.638

81, 8.112, 94.857

Harmonies

Complementary

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



66, 70.993, 81.675



32, 92.363, 300.065

Rectangle

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



66, 70.993, 81.675



66, 70.993, 131.675



66, 70.993, 261.675



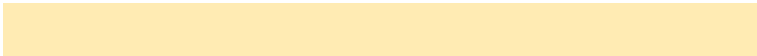
66, 70.993, 311.675

Sweetspot

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



66, 70.992, 81.678



93, 29.801, 92.304



43, 75.465, 22.981



49, 20.371, 91.751



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, 70.992, 81.678



80, 83.305, 81.337



77, 85.066, 115.686



42, 4.637, 94.910



54, 60.458, 82.025



11, 16.333, 85.730

Inverse Universe

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



32, 92.363, 300.065



40, 109.906, 300.492



27, 112.044, 307.349



40, 4.665, 277.252



25, 77.468, 299.616



3, 19.264, 284.704

Previews

White Background



This preview shows how the CIELCh color 66, 70.993, 81.675 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 CIELCh color 66, 70.993, 81.675 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, 70.993, 81.675

Background



This preview shows how black text looks on a background with the CIELCh color 66, 70.993, 81.675.

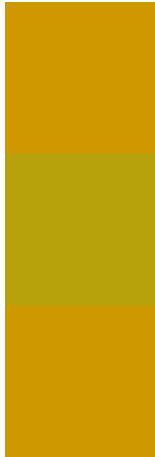


This preview shows how white text looks on a background with the CIELCh color 66, 70.993, 81.675.

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, 70.993, 81.675

Protanopia

66, 67.795, 95.203

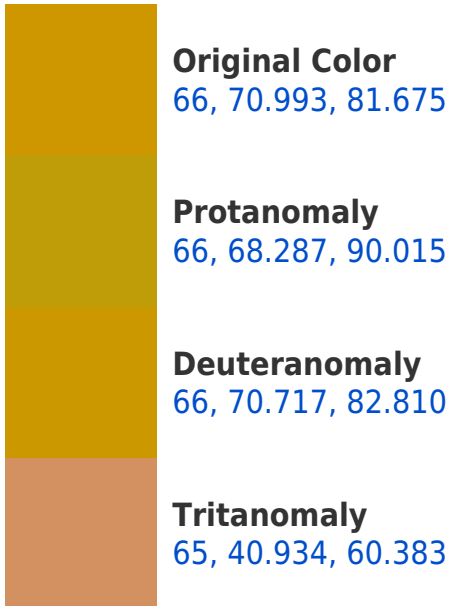
Deuteranopia

66, 70.537, 83.156



Tritanopia
66, 29.780, 10.987

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 70.993, 81.675 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(206, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 151, 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(206, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 151, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 70.993, 81.675 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(206, 151, 0) }
```

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

```
.border{ border-color:rgb(206, 151, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 151,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 70.993, 81.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 151, 0) }
```

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

```
.background{ background-color: rgb(206,  
151, 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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