

Converting Colors

CIELCh(70, 73.109, 96.561)

Have a look what the booklet for
CIELCh(70, 73.109, 96.561) contains.

CIELCh(70, 72.885, 96.765)	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(70, 72.885, 96.765)

Conversions

Conversions Part 1

Format	Color
Hex	BEAD00
RGB	190, 173, 0
RGB Percent	75%, 68%, 0%
CMY	0.2556, 0.3222, 1.0000
CMYK	0.00, 0.09, 1.00, 0.26
HSL	55°, 100%, 37%
HSV	55°, 100%, 74%
XYZ	36.1018, 40.7494, 5.9507
YIQ	158.3610, 65.6650, -50.1990

Conversions

Conversions Part 2

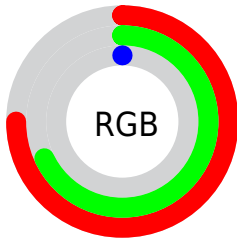
Format	Color
RYB	19, 190, 0
Decimal	12496128
CIELab	70.00, -8.59, 72.38
CIELCh	70, 72.885, 96.765
Yxy	40.7494, 0.4360, 0.4921
Android (android.graphics.Color)	4290686208 (0xFFBEAD00)
YUV	158.3610, -78.0720, 27.7474
Hunter-Lab	63.8353, -10.7618, 39.1577

Details

The CIELCh color **70, 72.885, 96.765** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **24, 102.934, 305.166**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 72.876, 96.803**, and **50, 56.094, 97.394** is the 20% darker color. If you saturate the color by 10%, you get **70, 72.836, 96.768**, and if you desaturate by 10%, it is **70, 70.807, 97.480**.

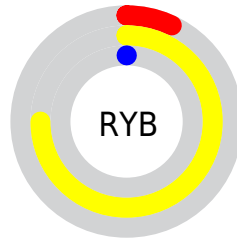
Distribution



Red (75%)

Green (68%)

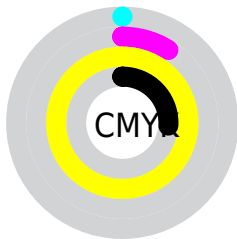
Blue (0%)



Red (7%)

Yellow (75%)

Blue (0%)

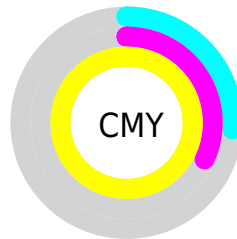


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 72.885, 96.765 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 70, 72.885, 96.765 by changing the saturation by 10% instead.

■ 70, 72.885, 96.765

■ 70, 72.885, 96.765

■ 100, 72.885,
96.765

■ 60, 72.885, 96.765

■ 90, 72.885, 96.765

■ 50, 72.885, 96.765

■ 40, 72.885, 96.765

■ 30, 72.885, 96.765

■ 20, 72.885, 96.765

■ 10, 72.885, 96.765

■ 0, 72.885, 96.765

■ 70, 72.885, 96.765

■ 70, 72.885, 96.765

■ 70, 72.836, 96.768

■ 70, 70.807, 97.480

71, 66.877, 98.263

72, 61.009, 99.133

72, 53.735,
100.079

73, 45.548,
101.083

74, 36.811,
102.123

74, 27.764,
103.179

75, 18.556,
104.236

76, 9.279, 105.277

Harmonies

Complementary

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



70, 72.885, 96.765



24, 102.934, 305.166

Rectangle

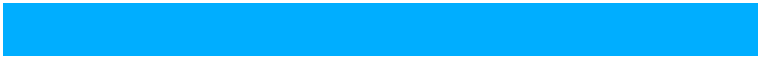
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 72.885, 96.765



70, 72.885, 146.765



70, 72.885, 276.765



70, 72.885, 326.765

Sweetspot

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



70, 72.836, 96.768



94, 34.417, 103.128



40, 79.510, 35.931



50, 23.624, 102.676



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 72.836, 96.768



89, 88.776, 96.661



70, 84.562, 124.376



40, 5.233, 105.344



59, 63.669, 96.858



10, 15.034, 102.425

Inverse Universe

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



24, 102.934, 305.166



33, 126.601, 305.393



27, 102.096, 309.846



37, 5.327, 287.339



19, 89.231, 304.953



1, 16.313, 288.034

Previews

White Background



This preview shows how the CIELCh color 70, 72.885, 96.765 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 70, 72.885, 96.765 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 70, 72.885, 96.765

Background



This preview shows how black text looks on a background with the CIELCh color 70, 72.885, 96.765.

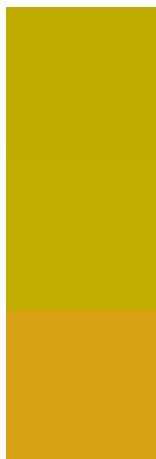


This preview shows how white text looks on a background with the CIELCh color 70, 72.885, 96.765.

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

70, 72.885, 96.765

Protanopia

70, 72.819, 95.303

Deuteranopia

70, 70.608, 82.627



Tritanopia
70, 16.319, 357.379

Trichromacy



Original Color
70, 72.885, 96.765

Protanomaly
70, 72.754, 95.660

Deuteranomaly
70, 71.021, 88.072

Tritanomaly
69, 32.930, 83.104

Monochromacy



Original Color
70, 72.885, 96.765

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 33.764, 101.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 72.885, 96.765 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(190, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 173, 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(190, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 173, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 72.885, 96.765 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(190, 173, 0) }
```

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

```
.border{ border-color:rgb(190, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 173,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 72.885, 96.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 173, 0) }
```

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

```
.background{ background-color: rgb(190,  
173, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor