

Converting Colors

CIELCh(85, 68.114, 116.237)

Have a look what the booklet for
CIELCh(85, 68.114, 116.237)
contains.

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Color

CIELCh(85, 67.760, 116.172)

Conversions

Conversions Part 1

Format	Color
Hex	C0E15A
RGB	192, 225, 90
RGB Percent	75%, 88%, 35%
CMY	0.2458, 0.1164, 0.6459
CMYK	0.15, 0.00, 0.60, 0.12
HSL	75°, 69%, 62%
HSV	75°, 60%, 88%
XYZ	50.6835, 66.0070, 19.8084
YIQ	199.7430, 23.6670, -48.9810

Conversions

Conversions Part 2

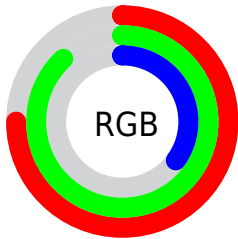
Format	Color
RYB	90, 225, 123
Decimal	12640602
CIELab	85.00, -29.89, 60.81
CIElCh	85, 67.760, 116.172
Yxy	66.0070, 0.3713, 0.4836
Android (android.graphics.Color)	4290830682 (0xFFC0E15A)
YUV	199.7430, -54.1033, -6.7906
Hunter-Lab	81.2447, -30.8233, 42.4157

Details

The CIELCh color **85, 67.760, 116.172** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted yellow. A complement of this color would be **48, 78.814, 305.119**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 54.479, 107.687**, and **65, 67.997, 116.400** is the 20% darker color. If you saturate the color by 10%, you get **84, 76.701, 115.927**, and if you desaturate by 10%, it is **86, 57.617, 116.615**.

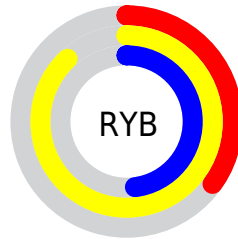
Distribution



Red (75%)

Green (88%)

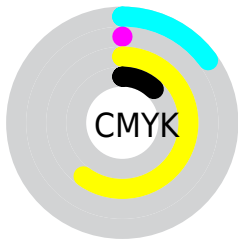
Blue (35%)



Red (35%)

Yellow (88%)

Blue (48%)

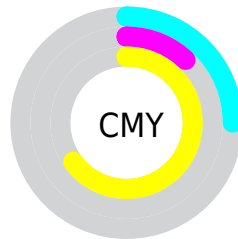


Cyan (15%)

Magenta (0%)

Yellow (60%)

Black (12%)



Cyan (25%)


Magenta (12%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 67.760, 116.172 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 85, 67.760, 116.172 by changing the saturation by 10% instead.


 85, 67.760,
116.172


 85, 67.760,
116.172


 100, 67.760,
116.172


 75, 67.760,
116.172

 65, 67.760,
116.172

 55, 67.760,
116.172

 45, 67.760,
116.172

 35, 67.760,
116.172

 25, 67.760,
116.172

 15, 67.760,

116.172

■ 5, 67.760, 116.172

■ 0, 67.760, 116.172

■ 85, 67.760,
116.172

■ 85, 67.760,
116.172

■ 84, 76.701,
115.927

■ 86, 57.617,
116.615

■ 84, 83.905,
115.972

■ 86, 46.694,
117.172

■ 84, 88.871,
116.409

■ 87, 35.292,
117.791

■ 83, 91.663,
117.241

■ 88, 23.610,
118.434

■ 83, 91.682,

■ 89, 11.782,

117.248

119.078

■ 90, 0.103, 299.404

■ 91, 11.983,
300.300

■ 91, 15.924,
305.118

■ 92, 16.486,
311.565

Harmonies

Complementary

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



85, 67.760, 116.172



48, 78.814, 305.119

Rectangle

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



85, 67.760, 116.172



85, 67.760, 166.172



85, 67.760, 296.172



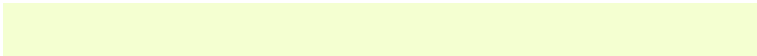
85, 67.760, 346.172

Sweetspot

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



85, 67.761, 116.174



98, 23.598, 118.550



62, 51.173, 43.176



52, 16.382, 118.361



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 67.761, 116.174



94, 86.464, 115.906



81, 77.044, 133.578



47, 6.721, 119.109



67, 76.130, 117.039



18, 28.689, 117.045

Inverse Universe

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



48, 78.814, 305.119



46, 104.941, 306.441



56, 79.662, 319.136



43, 6.856, 300.317



22, 99.142, 307.705



3, 32.129, 301.745

Previews

White Background



This preview shows how the CIELCh color 85, 67.760, 116.172 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 85, 67.760, 116.172 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 85, 67.760, 116.172

Background



This preview shows how black text looks on a background with the CIELCh color 85, 67.760, 116.172.

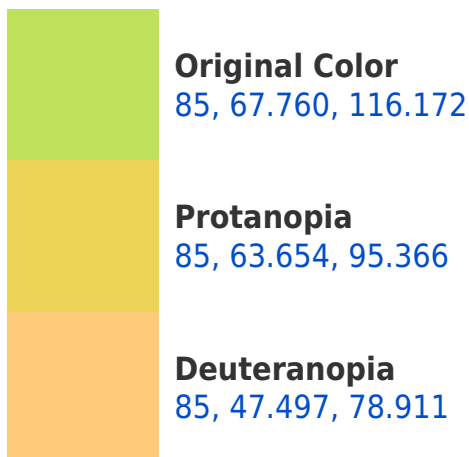


This preview shows how white text looks on a background with the CIELCh color 85, 67.760, 116.172.

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](#).

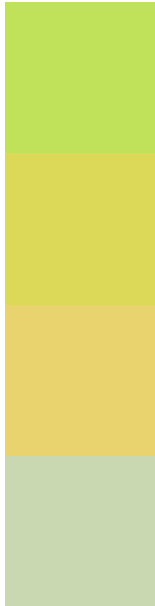
Dichromacy





Tritanopia
85, 8.995, 284.272

Trichromacy



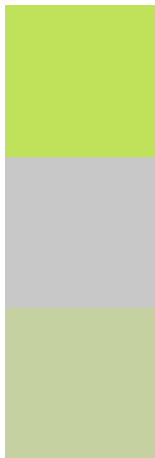
Original Color
85, 67.760, 116.172

Protanomaly
85, 63.882, 103.524

Deuteranomaly
84, 51.890, 95.857

Tritanomaly
84, 20.578, 123.434

Monochromacy



Original Color
85, 67.760, 116.172

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 26.108, 118.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 67.760, 116.172 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(192, 225, 90)` looks like.

```
.text, #text, p{  
    color:rgb(192, 225, 90)  
}
```

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(192, 225, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 225, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 67.760, 116.172 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(192, 225, 90) }
```

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

```
.border{ border-color:rgb(192, 225, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 225, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 225, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 225, 90);  
box-shadow:4px 4px 4px 4px rgb(192, 225,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 67.760, 116.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 225, 90) }
```

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

```
.background{ background-color: rgb(192,  
225, 90) }
```

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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