

Converting Colors

CIELCh(85, 89.179, 142.498)

Have a look what the booklet for
CIELCh(85, 89.179, 142.498)
contains.

CIELCh(85, 89.082, 142.466)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 89.082, 142.466)

Conversions

Conversions Part 1

Format	Color
Hex	47F266
RGB	71, 242, 102
RGB Percent	28%, 95%, 40%
CMY	0.7199, 0.0498, 0.5989
CMYK	0.71, 0.00, 0.58, 0.05
HSL	131°, 87%, 62%
HSV	131°, 71%, 95%
XYZ	36.8849, 66.0070, 23.4402
YIQ	174.9110, -56.9760, -79.7920

Conversions

Conversions Part 2

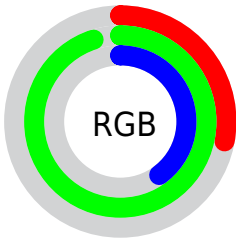
Format	Color
RYB	71, 216, 242
Decimal	4715110
CIELab	85.00, -70.64, 54.27
CIELCh	85, 89.082, 142.466
Yxy	66.0070, 0.2920, 0.5225
Android (android.graphics.Color)	4282905190 (0xFF47F266)
YUV	174.9110, -35.9451, -91.1299
Hunter-Lab	81.2447, -61.1397, 39.7653

Details

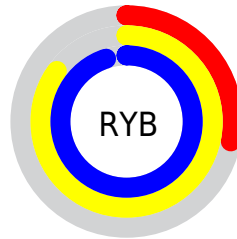
The CIELCh color **85, 89.082, 142.466** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **60, 86.188, 334.613**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 64.243, 144.936**, and **65, 85.457, 139.886** is the 20% darker color. If you saturate the color by 10%, you get **84, 98.014, 140.875**, and if you desaturate by 10%, it is **86, 78.619, 143.961**.

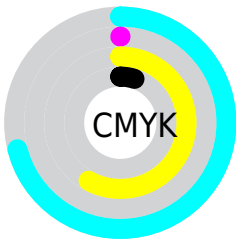
Distribution



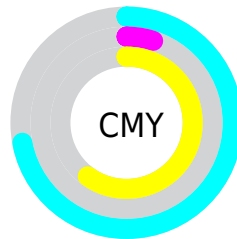
- Red (28%)
- Green (95%)
- Blue (40%)



- Red (28%)
- Yellow (85%)
- Blue (95%)



- Cyan (71%)
- Magenta (0%)
- Yellow (58%)
- Black (5%)



- Cyan (72%)
- Magenta (5%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 89.082, 142.466 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, 89.082, 142.466 by changing the saturation by 10% instead.

 85, 89.082,
142.466

 85, 89.082,
142.466

 100, 89.082,
142.466

 75, 89.082,
142.466


 65, 89.082,
142.466

 55, 89.082,
142.466

 45, 89.082,
142.466

 35, 89.082,
142.466


 25, 89.082,
142.466

 15, 89.082,


142.466


 5, 89.082, 142.466


 0, 89.082, 142.466


 85, 89.082,
142.466


 85, 89.082,
142.466

 84, 98.014,
140.875


 86, 78.619,
143.961

 84, 105.136,
139.276

 87, 66.939,
145.311


 84, 110.086,
137.909

 88, 54.364,
146.500

 90, 41.202,
147.533

 91, 27.726,

148.424

 93, 14.164,
149.198

 95, 0.694, 150.334

 97, 7.906, 324.678

Harmonies

Complementary

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



85, 89.082, 142.466



60, 86.188, 334.613

Rectangle

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



85, 89.082, 142.466



85, 89.082, 192.466



85, 89.082, 322.466



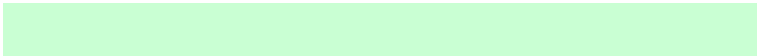
85, 89.082, 12.466

Sweetspot

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



85, 89.082, 142.466



95, 29.567, 148.380



91, 80.733, 112.241



50, 20.016, 148.145



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, 89.082, 142.466



88, 105.611, 140.116



86, 58.258, 164.952



50, 7.706, 149.273



66, 89.781, 138.162



20, 37.446, 140.934

Inverse Universe

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



60, 86.188, 334.613



60, 97.943, 335.796



57, 68.715, 5.646



48, 7.728, 330.418



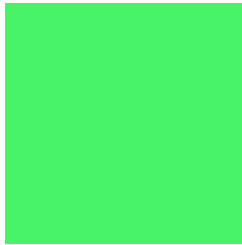
42, 79.256, 337.005



10, 35.884, 335.641

Previews

White Background



This preview shows how the CIE LCh color 85, 89.082, 142.466 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 85, 89.082, 142.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

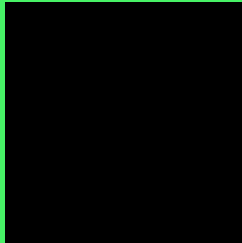
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

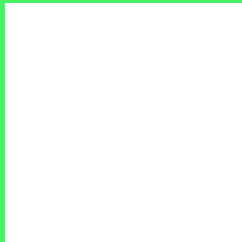
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 89.082, 142.466

Background



This preview shows how black text looks on a background with the CIELCh color 85, 89.082, 142.466.

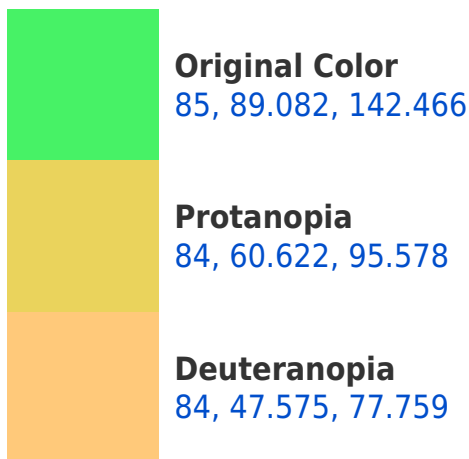



This preview shows how white text looks on a background with the CIELCh color 85, 89.082, 142.466.

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, 32.748, 215.428

Trichromacy



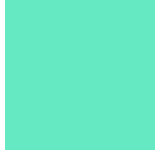
Original Color
85, 89.082, 142.466



Protanomaly
83, 65.614, 121.721



Deuteranomaly
82, 52.706, 118.186



Tritanomaly
84, 46.387, 169.999

Monochromacy



Original Color
85, 89.082, 142.466



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 35.497, 147.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 89.082, 142.466 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(71, 242, 102)` looks like.

```
.text, #text, p{  
    color:rgb(71, 242, 102)  
}
```

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(71, 242, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 242, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 89.082, 142.466 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(71, 242, 102) }
```

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

```
.border{ border-color:rgb(71, 242, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 242, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 242, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 242, 102);  
box-shadow:4px 4px 4px 4px rgb(71, 242,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 89.082, 142.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 242, 102) }
```

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

```
.background{ background-color: rgb(71, 242,  
102) }
```

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