

Converting Colors

CIELCh(84, 89.704, 140.019)

Have a look what the booklet for
CIELCh(84, 89.704, 140.019)
contains.

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Color

CIELCh(84, 89.884, 140.011)

Conversions

Conversions Part 1

Format	Color
Hex	52EF5C
RGB	82, 239, 92
RGB Percent	32%, 94%, 36%
CMY	0.6802, 0.0641, 0.6405
CMYK	0.66, 0.00, 0.62, 0.06
HSL	124°, 83%, 63%
HSV	124°, 66%, 94%
XYZ	36.1210, 64.0658, 20.5116
YIQ	175.2990, -46.3850, -79.0010

Conversions

Conversions Part 2

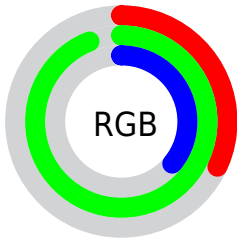
Format	Color
RYB	82, 230, 239
Decimal	5435228
CIELab	84.00, -68.87, 57.76
CIELCh	84, 89.884, 140.011
Yxy	64.0658, 0.2993, 0.5308
Android (android.graphics.Color)	4283625308 (0xFF52EF5C)
YUV	175.2990, -41.0664, -81.8232
Hunter-Lab	80.0411, -59.5184, 40.8349

Details

The CIELCh color **84, 89.884, 140.011** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **62, 88.009, 329.777**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 66.785, 140.926**, and **65, 87.746, 138.421** is the 20% darker color. If you saturate the color by 10%, you get **83, 99.568, 138.734**, and if you desaturate by 10%, it is **85, 78.370, 141.279**.

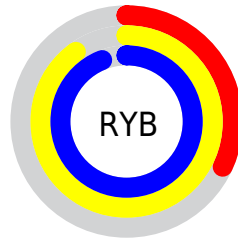
Distribution



Red (32%)

Green (94%)

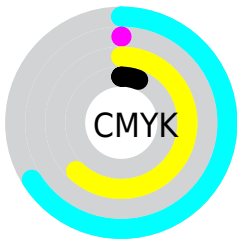
Blue (36%)



Red (32%)

Yellow (90%)

Blue (94%)

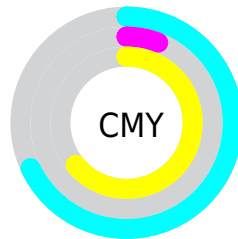


Cyan (66%)

Magenta (0%)

Yellow (62%)

Black (6%)



Cyan (68%)


Magenta (6%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 89.884, 140.011 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 84, 89.884, 140.011 by changing the saturation by 10% instead.


 84, 89.884,
140.011


 84, 89.884,
140.011


 100, 89.884,
140.011


 74, 89.884,
140.011


 64, 89.884,
140.011

 54, 89.884,
140.011

 44, 89.884,
140.011

 34, 89.884,
140.011

 24, 89.884,
140.011

 14, 89.884,

140.011

■ 4, 89.884, 140.011

■ 0, 89.884, 140.011

■ 84, 89.884,
140.011

■ 84, 89.884,
140.011

■ 83, 99.568,
138.734

■ 85, 78.370,
141.279

■ 83, 106.934,
137.568

■ 86, 65.510,
142.458

■ 83, 111.618,
136.656

■ 87, 51.741,
143.511

■ 83, 112.818,
136.415


■ 89, 37.436,
144.429

■ 91, 22.902,

145.221

 93, 8.376, 145.914

 95, 5.966, 326.393

 96, 10.196,
324.766

Harmonies

Complementary

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



84, 89.884, 140.011



62, 88.009, 329.777

Rectangle

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



84, 89.884, 140.011



84, 89.884, 190.011



84, 89.884, 320.011



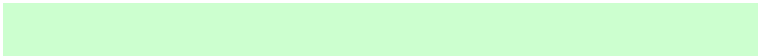
84, 89.884, 10.011

Sweetspot

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



84, 89.884, 140.011



96, 30.582, 144.899



91, 74.939, 106.679



50, 20.872, 144.674



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 89.884, 140.011



88, 107.668, 138.311



85, 61.251, 158.511



49, 8.224, 145.667



65, 92.396, 136.543



19, 38.408, 138.957

Inverse Universe

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



62, 88.009, 329.777



62, 103.316, 330.327



59, 66.150, 355.412



47, 8.239, 326.735



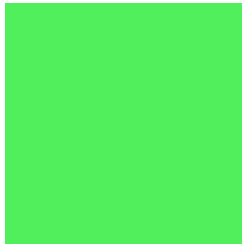
43, 85.852, 330.971



10, 37.742, 330.567

Previews

White Background



This preview shows how the CIE LCh color 84, 89.884, 140.011 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 84, 89.884, 140.011 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

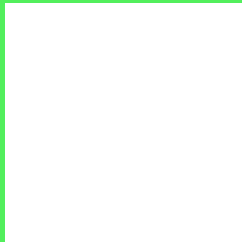
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 89.884, 140.011

Background



This preview shows how black text looks on a background with the CIELCh color 84, 89.884, 140.011.

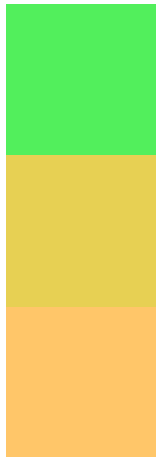


This preview shows how white text looks on a background with the CIELCh color 84, 89.884, 140.011.

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


84, 89.884, 140.011

Protanopia

83, 63.218, 95.612

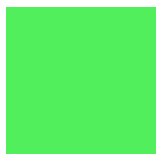
Deuteranopia

83, 54.620, 79.097

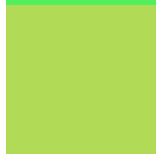


Tritanopia
84, 30.830, 215.670

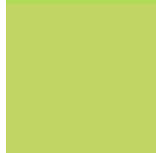
Trichromacy



Original Color
84, 89.884, 140.011



Protanomaly
82, 67.942, 119.251



Deuteranomaly
82, 57.685, 113.865

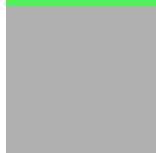


Tritanomaly
83, 45.235, 167.003

Monochromacy



Original Color
84, 89.884, 140.011



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 35.701, 144.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 89.884, 140.011 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(82, 239, 92)` looks like.

```
.text, #text, p{  
    color:rgb(82, 239, 92)  
}
```

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(82, 239, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 239, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 89.884, 140.011 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(82, 239, 92) }
```

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

```
.border{ border-color:rgb(82, 239, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 239, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 239, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 239, 92);  
box-shadow:4px 4px 4px 4px rgb(82, 239,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 89.884, 140.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 239, 92) }
```

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

```
.background{ background-color: rgb(82, 239,  
92) }
```

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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