

Converting Colors

CIELCh(88, 85.542, 142.420)

Have a look what the booklet for
CIELCh(88, 85.542, 142.420)
contains.

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Color

CIELCh(88, 85.542, 142.420)

Conversions

Conversions Part 1

Format	Color
Hex	5DFA73
RGB	93, 250, 115
RGB Percent	36%, 98%, 45%
CMY	0.6344, 0.0189, 0.5484
CMYK	0.63, 0.00, 0.54, 0.02
HSL	128°, 94%, 67%
HSV	128°, 63%, 98%
XYZ	41.8829, 72.0653, 27.9722
YIQ	187.6670, -50.2370, -75.2690

Conversions

Conversions Part 2

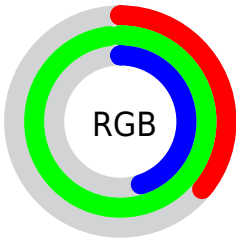
Format	Color
RYB	93, 231, 250
Decimal	6158963
CIELab	88.00, -67.79, 52.17
CIELCh	88, 85.542, 142.420
Yxy	72.0653, 0.2951, 0.5078
Android (android.graphics.Color)	4284349043 (0xFF5DFA73)
YUV	187.6670, -35.8248, -83.0230
Hunter-Lab	84.8913, -60.4931, 39.8875

Details

The CIELCh color **88, 85.542, 142.420** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **65, 83.901, 332.399**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 55.721, 145.215**, and **68, 84.371, 141.808** is the 20% darker color. If you saturate the color by 10%, you get **87, 96.092, 140.966**, and if you desaturate by 10%, it is **89, 73.540, 143.766**.

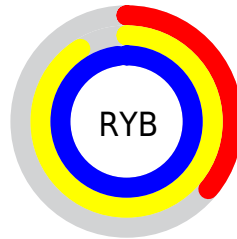
Distribution



Red (36%)

Green (98%)

Blue (45%)



Red (36%)

Yellow (91%)

Blue (98%)

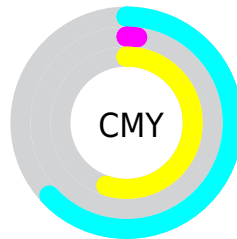


Cyan (63%)

Magenta (0%)

Yellow (54%)

Black (2%)



Cyan (63%)


Magenta (2%)

Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 85.542, 142.420 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 88, 85.542, 142.420 by changing the saturation by 10% instead.


 88, 85.542,
142.420


 88, 85.542,
142.420


 100, 85.542,
142.420


 78, 85.542,
142.420


 68, 85.542,
142.420

 58, 85.542,
142.420

 48, 85.542,
142.420

 38, 85.542,
142.420


 28, 85.542,
142.420

 18, 85.542,

142.420


 8, 85.542, 142.420


 0, 85.542, 142.420


 88, 85.542,
142.420


 88, 85.542,
142.420


 87, 96.092,
140.966


 89, 73.540,
143.766


 87, 104.808,
139.477

 90, 60.463,
144.968

 86, 111.352,
138.070

 92, 46.671,
146.018

 86, 114.672,
137.218

 93, 32.476,
146.925

 95, 18.140,

147.707

 98, 3.869, 148.440

 99, 2.997, 324.443

Harmonies

Complementary

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



88, 85.542, 142.420



65, 83.901, 332.399

Rectangle

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



88, 85.542, 142.420



88, 85.542, 192.420



88, 85.542, 322.420



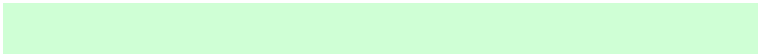
88, 85.542, 12.420

Sweetspot

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



88, 85.543, 142.420



96, 27.540, 147.229



94, 75.369, 110.906



51, 18.964, 146.996



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 85.543, 142.420



89, 99.734, 140.618



89, 56.601, 164.024



51, 8.070, 147.940



67, 92.282, 137.438



21, 39.537, 139.790

Inverse Universe

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



65, 83.901, 332.399



62, 95.556, 333.172



62, 64.513, 0.823



49, 8.090, 329.056



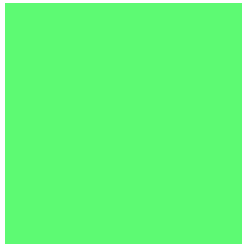
43, 82.590, 334.723



11, 37.882, 333.793

Previews

White Background



This preview shows how the CIELCh color 88, 85.542, 142.420 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 88, 85.542, 142.420 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 88, 85.542, 142.420

Background



This preview shows how black text looks on a background with the CIELCh color 88, 85.542, 142.420.

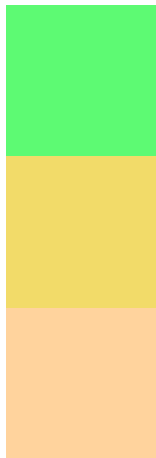


This preview shows how white text looks on a background with the CIELCh color 88, 85.542, 142.420.

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

88, 85.542, 142.420

Protanopia

87, 58.226, 95.669

Deuteranopia

87, 33.575, 75.664

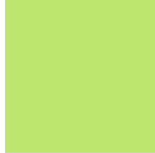


Tritanopia
88, 31.410, 216.205

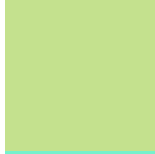
Trichromacy



Original Color
88, 85.542, 142.420



Protanomaly
86, 62.692, 120.816



Deuteranomaly
86, 44.049, 121.649

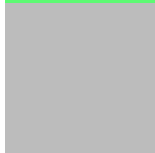


Tritanomaly
88, 43.987, 170.413

Monochromacy



Original Color
88, 85.542, 142.420



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 33.582, 146.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 85.542, 142.420 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(93, 250, 115)` looks like.

```
.text, #text, p{  
    color:rgb(93, 250, 115)  
}
```

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(93, 250, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 250, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 85.542, 142.420 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(93, 250, 115) }
```

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

```
.border{ border-color:rgb(93, 250, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 250, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 250, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 250, 115);  
box-shadow:4px 4px 4px 4px rgb(93, 250,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 85.542, 142.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 250, 115) }
```

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

```
.background{ background-color: rgb(93, 250,  
115) }
```

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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