

Converting Colors

CIELCh(85, 76.766, 142.896)

Have a look what the booklet for
CIELCh(85, 76.766, 142.896)
contains.

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Color

CIELCh(85, 76.782, 142.939)

Conversions

Conversions Part 1

Format	Color
Hex	66EF78
RGB	102, 239, 120
RGB Percent	40%, 94%, 47%
CMY	0.5994, 0.0622, 0.5289
CMYK	0.57, 0.00, 0.50, 0.06
HSL	128°, 81%, 67%
HSV	128°, 57%, 94%
XYZ	39.8014, 66.0070, 28.4522
YIQ	184.4710, -43.4530, -66.0530

Conversions

Conversions Part 2

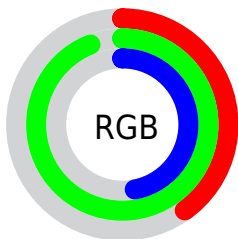
Format	Color
RYB	102, 223, 239
Decimal	6745976
CIELab	85.00, -61.27, 46.27
CIELCh	85, 76.782, 142.939
Yxy	66.0070, 0.2964, 0.4916
Android (android.graphics.Color)	4284936056 (0xFF66EF78)
YUV	184.4710, -31.7842, -72.3271
Hunter-Lab	81.2447, -54.7319, 36.1077

Details

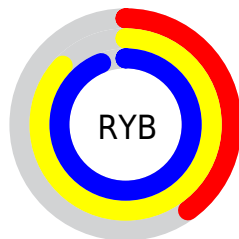
The CIELCh color **85, 76.782, 142.939** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **64, 75.841, 331.728**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 52.890, 145.066**, and **65, 76.805, 142.940** is the 20% darker color. If you saturate the color by 10%, you get **84, 87.826, 141.555**, and if you desaturate by 10%, it is **86, 64.526, 144.197**.

Distribution



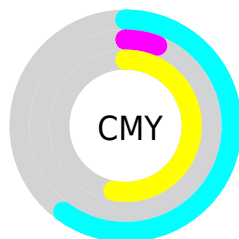
- Red (40%)
- Green (94%)
- Blue (47%)



- Red (40%)
- Yellow (87%)
- Blue (94%)



- Cyan (57%)
- Magenta (0%)
- Yellow (50%)
- Black (6%)





- Cyan (60%)
- Magenta (6%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 76.782, 142.939 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, 76.782, 142.939 by changing the saturation by 10% instead.


 85, 76.782,
142.939


 85, 76.782,
142.939


 100, 76.782,
142.939


 75, 76.782,
142.939

 65, 76.782,
142.939

 55, 76.782,
142.939

 45, 76.782,
142.939

 35, 76.782,
142.939

 25, 76.782,
142.939

 15, 76.782,

142.939

■ 5, 76.782, 142.939

■ 0, 76.782, 142.939

■ 85, 76.782,
142.939

■ 85, 76.782,
142.939

■ 84, 87.826,
141.555

■ 86, 64.526,
144.197

■ 84, 97.275,
140.098

■ 87, 51.420,
145.306

■ 83, 104.762,
138.664

■ 89, 37.791,
146.269

■ 83, 110.002,
137.394

■ 91, 23.918,
147.099

■ 83, 111.064,

■ 93, 10.025,

137.127

147.824

 95, 3.718, 328.306

 96, 9.886, 324.754

Harmonies

Complementary

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



85, 76.782, 142.939



64, 75.841, 331.728

Rectangle

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



85, 76.782, 142.939



85, 76.782, 192.939



85, 76.782, 322.939



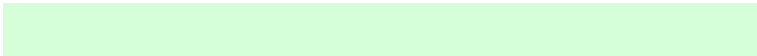
85, 76.782, 12.939

Sweetspot

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



85, 76.783, 142.939



96, 24.779, 147.117



91, 67.235, 110.411



51, 16.583, 146.960



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, 76.783, 142.939



89, 94.282, 141.274



86, 51.531, 163.858



49, 7.847, 147.671



65, 90.649, 137.333



19, 37.109, 140.246

Inverse Universe

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



64, 75.841, 331.728



64, 91.514, 332.448



62, 57.747, 358.254



47, 7.865, 328.777



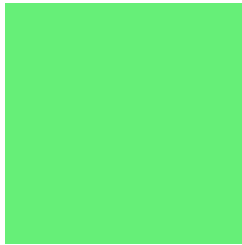
42, 81.481, 334.251



10, 36.077, 333.309

Previews

White Background



This preview shows how the CIE LCh color 85, 76.782, 142.939 looks on a white background.

Color Contrast Check

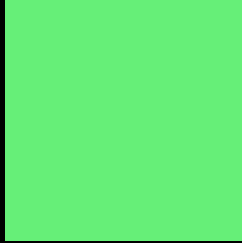
Large Text (above 18pt) WCAG AA × Fail

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, 76.782, 142.939 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

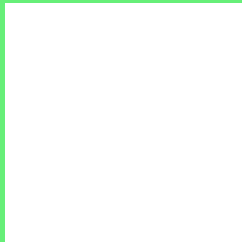
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 76.782, 142.939

Background



This preview shows how black text looks on a background with the CIELCh color 85, 76.782, 142.939.

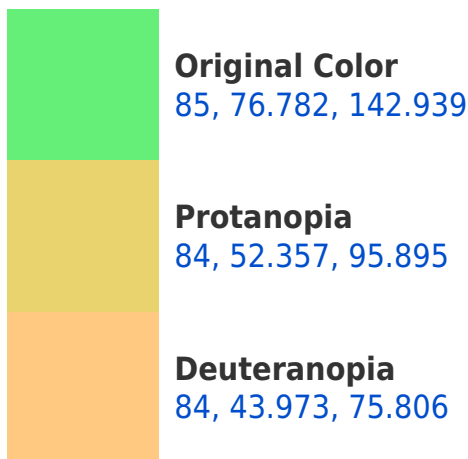


This preview shows how white text looks on a background with the CIELCh color 85, 76.782, 142.939.

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, 28.899, 217.010

Trichromacy



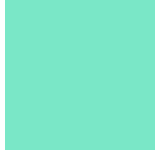
Original Color
85, 76.782, 142.939



Protanomaly
84, 56.108, 120.563



Deuteranomaly
83, 46.127, 114.301

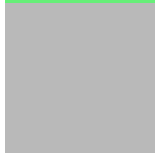


Tritanomaly
85, 39.345, 171.350

Monochromacy



Original Color
85, 76.782, 142.939



Achromatopsia
75, 0.009, 296.813



Achromatomaly
78, 30.056, 146.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 76.782, 142.939 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(102, 239, 120)` looks like.

```
.text, #text, p{  
    color:rgb(102, 239, 120)  
}
```

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(102, 239, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 239, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 76.782, 142.939 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(102, 239, 120) }
```

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

```
.border{ border-color:rgb(102, 239, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 239, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 239, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 239, 120);  
box-shadow:4px 4px 4px 4px rgb(102, 239,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 76.782, 142.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 239, 120) }
```

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

```
.background{ background-color: rgb(102,  
239, 120) }
```

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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