

Converting Colors

CIELCh(85, 90.981, 135.460)

Have a look what the booklet for
CIELCh(85, 90.981, 135.460)
contains.

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Color

CIELCh(85, 90.991, 135.487)

Conversions

Conversions Part 1

Format	Color
Hex	6BF050
RGB	107, 240, 80
RGB Percent	42%, 94%, 31%
CMY	0.5805, 0.0589, 0.6864
CMYK	0.55, 0.00, 0.67, 0.06
HSL	110°, 84%, 63%
HSV	110°, 67%, 94%
XYZ	38.6591, 66.0070, 18.2873
YIQ	181.9930, -27.9080, -77.9560

Conversions

Conversions Part 2

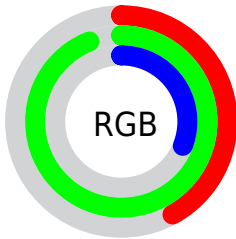
Format	Color
RYB	80, 240, 213
Decimal	7073872
CIELab	85.00, -64.88, 63.79
CIELCh	85, 90.991, 135.487
Yxy	66.0070, 0.3144, 0.5368
Android (android.graphics.Color)	4285263952 (0xFF6BF050)
YUV	181.9930, -50.2825, -65.7689
Hunter-Lab	81.2447, -57.2416, 43.5258

Details

The CIELCh color **85, 90.991, 135.487** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **58, 92.033, 322.313**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 67.538, 133.995**, and **65, 91.114, 135.479** is the 20% darker color. If you saturate the color by 10%, you get **84, 100.672, 134.997**, and if you desaturate by 10%, it is **86, 79.388, 136.158**.

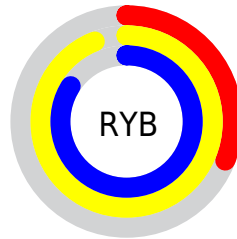
Distribution



Red (42%)

Green (94%)

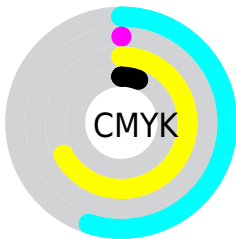
Blue (31%)



Red (31%)

Yellow (94%)

Blue (84%)

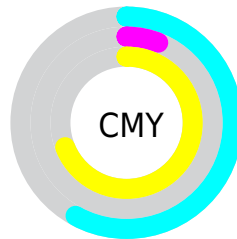


Cyan (55%)

Magenta (0%)

Yellow (67%)

Black (6%)



Cyan (58%)

Magenta (6%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 90.991, 135.487 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, 90.991, 135.487 by changing the saturation by 10% instead.


 85, 90.991,
135.487

 85, 90.991,
135.487


 100, 90.991,
135.487

 75, 90.991,
135.487

 65, 90.991,
135.487

 55, 90.991,
135.487

 45, 90.991,
135.487

 35, 90.991,
135.487

 25, 90.991,
135.487

 15, 90.991,

135.487

■ 5, 90.991, 135.487

■ 0, 90.991, 135.487

■ 85, 90.991,
135.487

■ 85, 90.991,
135.487

■ 84, 100.672,
134.997

■ 86, 79.388,
136.158

■ 84, 107.813,
134.820

■ 87, 66.459,
136.894

■ 83, 112.055,
135.037

■ 88, 52.688,
137.620

■ 83, 113.022,
135.127

■ 90, 38.443,
138.296

■ 92, 23.998,

138.904

 93, 9.554, 139.451

 95, 4.745, 319.831

 96, 9.365, 324.734

Harmonies

Complementary

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



85, 90.991, 135.487



58, 92.033, 322.313

Rectangle

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



85, 90.991, 135.487



85, 90.991, 185.487



85, 90.991, 315.487



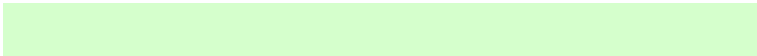
85, 90.991, 5.487

Sweetspot

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



85, 90.991, 135.488



96, 30.267, 138.706



85, 66.047, 93.435



51, 20.658, 138.535



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, 90.991, 135.488



89, 108.426, 134.891



85, 76.340, 147.637



49, 8.144, 139.301



65, 92.296, 134.991



20, 38.295, 135.146

Inverse Universe

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



58, 92.033, 322.313



57, 108.865, 322.337



60, 75.499, 340.860



47, 8.183, 320.152



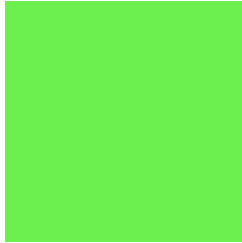
38, 91.618, 321.820



8, 39.878, 322.672

Previews

White Background



This preview shows how the CIE LCh color 85, 90.991, 135.487 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, 90.991, 135.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

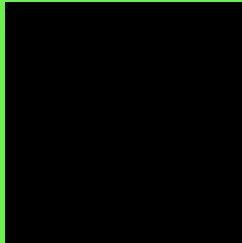
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 90.991, 135.487

Background



This preview shows how black text looks on a background with the CIELCh color 85, 90.991, 135.487.

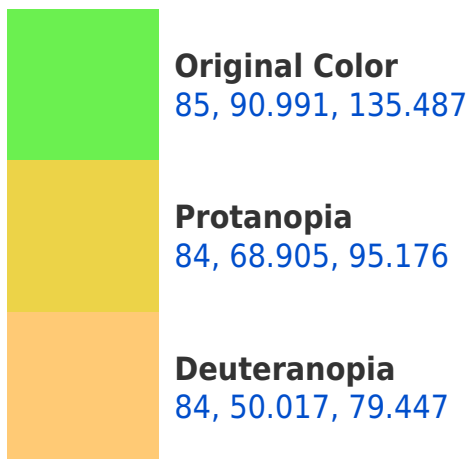



This preview shows how white text looks on a background with the CIELCh color 85, 90.991, 135.487.

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, 26.844, 218.696

Trichromacy



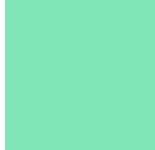
Original Color
85, 90.991, 135.487



Protanomaly
84, 72.435, 115.081



Deuteranomaly
83, 56.811, 111.566

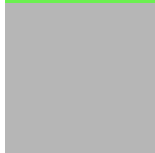


Tritanomaly
84, 42.669, 161.202

Monochromacy



Original Color
85, 90.991, 135.487



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 35.900, 138.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 90.991, 135.487 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(107, 240, 80)` looks like.

```
.text, #text, p{  
    color:rgb(107, 240, 80)  
}
```

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(107, 240, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 240, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 90.991, 135.487 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(107, 240, 80) }
```

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

```
.border{ border-color:rgb(107, 240, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 240, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 240, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 240, 80);  
box-shadow:4px 4px 4px 4px rgb(107, 240,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 90.991, 135.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 240, 80) }
```

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

```
.background{ background-color: rgb(107,  
240, 80) }
```

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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