

Converting Colors

CIELCh(85, 113.165, 134.071)

Have a look what the booklet for
CIELCh(85, 113.165, 134.071)
contains.

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Color

CIELCh(85, 112.946, 134.113)

Conversions

Conversions Part 1

Format	Color
Hex	3FF402
RGB	63, 244, 2
RGB Percent	25%, 96%, 1%
CMY	0.7542, 0.0415, 0.9940
CMYK	0.74, 0.00, 0.99, 0.04
HSL	105°, 99%, 48%
HSV	105°, 99%, 96%
XYZ	34.5169, 66.0070, 10.9640
YIQ	162.2930, -30.1940, -113.6340

Conversions

Conversions Part 2

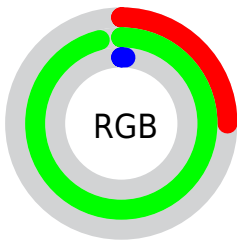
Format	Color
R_{YB}	2, 244, 183
Decimal	4191234
CIE _{Lab}	85.00, -78.62, 81.09
CIE _{LCh}	85, 112.946, 134.113
Yxy	66.0070, 0.3096, 0.5921
Android (android.graphics.Color)	4282381314 (0xFF3FF402)
YUV	162.2930, -79.0244, -87.0800
Hunter-Lab	81.2447, -66.3423, 48.8701

Details

The CIELCh color **85, 112.946, 134.113** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **48, 114.900, 318.820**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 89.680, 132.690**, and **66, 94.496, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **85, 113.146, 134.147**, and if you desaturate by 10%, it is **85, 109.007, 133.538**.

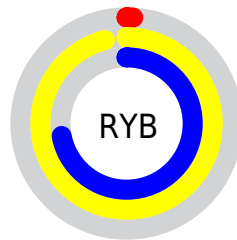
Distribution



Red (25%)

Green (96%)

Blue (1%)



Red (1%)

Yellow (96%)

Blue (72%)

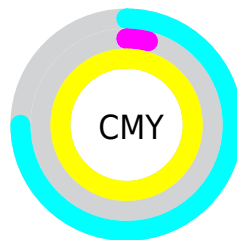


Cyan (74%)

Magenta (0%)

Yellow (99%)

Black (4%)



Cyan (75%)


Magenta (4%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 112.946, 134.113 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, 112.946, 134.113 by changing the saturation by 10% instead.


 85, 112.946,
134.113


 85, 112.946,
134.113


 100, 112.946,
134.113


 75, 112.946,
134.113


 65, 112.946,
134.113

 55, 112.946,
134.113

 45, 112.946,
134.113

 35, 112.946,
134.113

 25, 112.946,
134.113

 15, 112.946,

134.113

■ 5, 112.946,
134.113

■ 0, 112.946,
134.113

■ 85, 112.946,
134.113

■ 85, 112.946,
134.113

■ 85, 113.146,
134.147

■ 85, 109.007,
133.538

■ 86, 102.381,
133.343

■ 87, 93.170,
133.531

■ 88, 81.960,
133.973

■ 89, 69.360,
134.547

■ 90, 55.871,
135.162

■ 91, 41.866,
135.764

■ 93, 27.615,
136.325

■ 95, 13.317,
136.837

Harmonies

Complementary

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



85, 112.946, 134.113



48, 114.900, 318.820

Rectangle

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



85, 112.946, 134.113



85, 112.946, 184.113



85, 112.946, 314.113



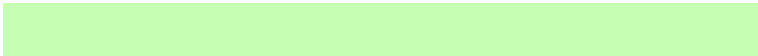
85, 112.946, 4.113

Sweetspot

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



85, 112.945, 134.114



95, 44.236, 135.724



77, 80.579, 81.584



50, 30.139, 135.472



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, 112.945, 134.114



88, 116.869, 134.171



85, 107.650, 139.098



50, 8.080, 136.832



66, 92.008, 133.960



21, 39.045, 133.432

Inverse Universe

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



48, 114.900, 318.820



50, 118.833, 318.763



55, 93.249, 340.437



48, 8.136, 317.629



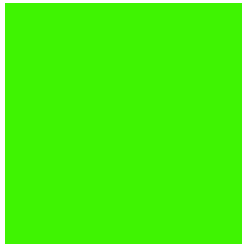
36, 93.729, 318.925



8, 41.425, 320.044

Previews

White Background



This preview shows how the CIELCh color 85, 112.946, 134.113 looks on a white background.

Color Contrast Check

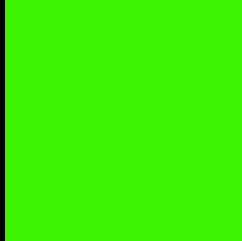
Large Text (above 18pt) WCAG AA × Fail

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, 112.946, 134.113 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, 112.946, 134.113

Background



This preview shows how black text looks on a background with the CIELCh color 85, 112.946, 134.113.



This preview shows how white text looks on a background with the CIELCh color 85, 112.946, 134.113.

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

85, 112.724, 134.099

Protanopia

84, 84.834, 95.127

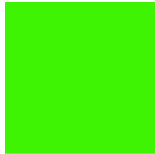
Deuteranopia

84, 54.049, 80.979



Tritanopia
85, 32.551, 215.551

Trichromacy



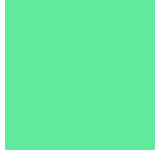
Original Color
85, 112.724, 134.099



Protanomaly
83, 90.286, 115.939

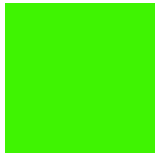


Deuteranomaly
82, 72.677, 114.655



Tritanomaly
84, 60.005, 154.213

Monochromacy



Original Color
85, 112.724, 134.099



Achromatopsia
67, 0.008, 296.813



Achromatomaly
72, 53.212, 134.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 112.946, 134.113 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(63, 244, 2)` looks like.

```
.text, #text, p{  
    color:rgb(63, 244, 2)  
}
```

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(63, 244, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 244, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 112.946, 134.113 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(63, 244, 2) }
```

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

```
.border{ border-color:rgb(63, 244, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 244, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 244, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 244, 2);  
box-shadow:4px 4px 4px 4px rgb(63, 244, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 85, 112.946, 134.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 244, 2) }
```

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

```
.background{ background-color: rgb(63, 244,  
2) }
```

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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