

Converting Colors

CIELCh(85, 109.353, 135.517)

Have a look what the booklet for
CIELCh(85, 109.353, 135.517)
contains.

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Color

CIELCh(85, 109.312, 135.484)

Conversions

Conversions Part 1

Format	Color
Hex	3DF424
RGB	61, 244, 36
RGB Percent	24%, 96%, 14%
CMY	0.7590, 0.0420, 0.8571
CMYK	0.75, 0.00, 0.85, 0.04
HSL	113°, 91%, 55%
HSV	113°, 85%, 96%
XYZ	34.7128, 66.0070, 12.6143
YIQ	165.5710, -42.3000, -103.4840

Conversions

Conversions Part 2

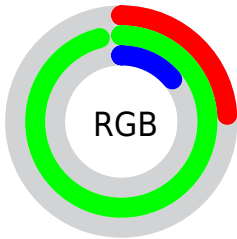
Format	Color
RYB	36, 244, 219
Decimal	4060196
CIELab	85.00, -77.95, 76.64
CIELCh	85, 109.312, 135.484
Yxy	66.0070, 0.3063, 0.5824
Android (android.graphics.Color)	4282250276 (0xFF3DF424)
YUV	165.5710, -63.8785, -91.7088
Hunter-Lab	81.2447, -65.9119, 47.6658

Details

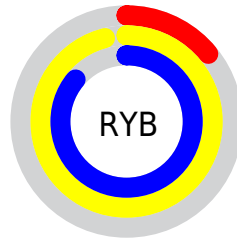
The CIELCh color **85, 109.312, 135.484** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55, 108.142, 323.893**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 85.769, 134.655**, and **66, 94.496, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **85, 113.836, 135.463**, and if you desaturate by 10%, it is **86, 101.779, 135.882**.

Distribution



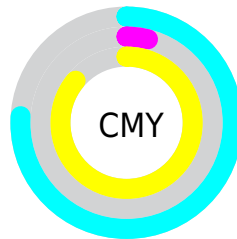
- Red (24%)
- Green (96%)
- Blue (14%)



- Red (14%)
- Yellow (96%)
- Blue (86%)



- Cyan (75%)
- Magenta (0%)
- Yellow (85%)
- Black (4%)





- Cyan (76%)
- Magenta (4%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 109.312, 135.484 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, 109.312, 135.484 by changing the saturation by 10% instead.


 85, 109.312,
135.484


 85, 109.312,
135.484


 100, 109.312,
135.484


 75, 109.312,
135.484


 65, 109.312,
135.484

 55, 109.312,
135.484

 45, 109.312,
135.484

 35, 109.312,
135.484

 25, 109.312,
135.484

 15, 109.312,

135.484

■ 5, 109.312,
135.484

■ 0, 109.312,
135.484

■ 85, 109.312,
135.484

■ 85, 109.312,
135.484

■ 85, 113.836,
135.463

■ 86, 101.779,
135.882

■ 85, 115.163,
135.521

■ 86, 91.665,
136.551

■ 87, 79.607,
137.357

■ 88, 66.209,
138.190

■ 90, 51.964,
138.985

■ 91, 37.250,
139.708

■ 93, 22.354,
140.348

■ 95, 7.487, 140.923

■ 97, 6.643, 324.246

Harmonies

Complementary

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



85, 109.312, 135.484



55, 108.142, 323.893

Rectangle

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



85, 109.312, 135.484



85, 109.312, 185.484



85, 109.312, 315.484



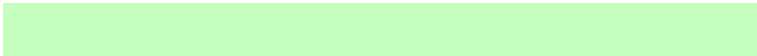
85, 109.312, 5.484

Sweetspot

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



85, 109.312, 135.485



95, 39.976, 139.641



86, 81.784, 94.768



50, 27.085, 139.396



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, 109.312, 135.485



88, 118.990, 135.535



85, 89.218, 146.112



50, 8.412, 140.674



66, 93.781, 135.418



21, 40.102, 135.588

Inverse Universe

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



55, 108.142, 323.893



55, 116.615, 323.502



55, 84.126, 346.909



48, 8.444, 321.572



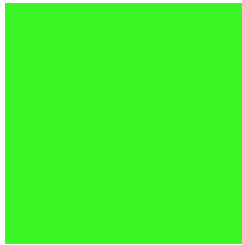
40, 92.032, 323.588



9, 40.852, 324.185

Previews

White Background



This preview shows how the CIE LCh color 85, 109.312, 135.484 looks on a white background.

Color Contrast Check

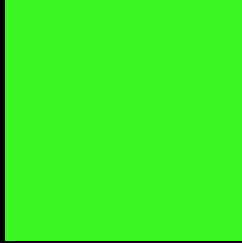
Large Text (above 18pt) WCAG AA × Fail

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, 109.312, 135.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

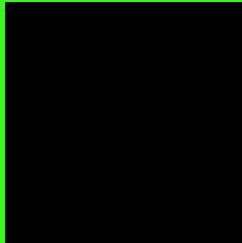
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 109.312, 135.484

Background



This preview shows how black text looks on a background with the CIELCh color 85, 109.312, 135.484.

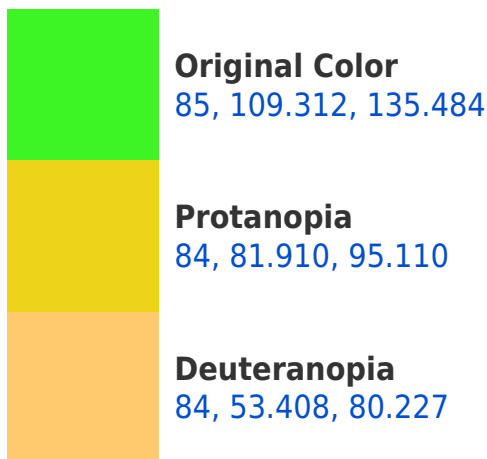


This preview shows how white text looks on a background with the CIELCh color 85, 109.312, 135.484.

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](#).

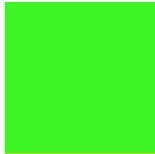
Dichromacy





Tritanopia
85, 32.748, 215.428

Trichromacy



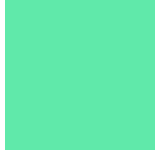
Original Color
85, 109.312, 135.484



Protanomaly
83, 87.064, 116.921

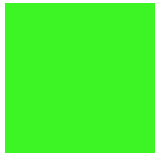


Deuteranomaly
82, 67.369, 115.864



Tritanomaly
84, 55.299, 159.147

Monochromacy



Original Color
85, 109.312, 135.484



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 47.401, 138.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 109.312, 135.484 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(61, 244, 36)` looks like.

```
.text, #text, p{  
    color:rgb(61, 244, 36)  
}
```

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(61, 244, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 244, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 109.312, 135.484 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(61, 244, 36) }
```

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

```
.border{ border-color:rgb(61, 244, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 244, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 244, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 244, 36);  
box-shadow:4px 4px 4px 4px rgb(61, 244,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 109.312, 135.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 244, 36) }
```

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

```
.background{ background-color: rgb(61, 244,  
36) }
```

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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