

Converting Colors

CIELCh(85, 115.646, 135.711)

Have a look what the booklet for
CIELCh(85, 115.646, 135.711)
contains.

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Color

CIELCh(85, 115.697, 135.731)

Conversions

Conversions Part 1

Format	Color
Hex	18F603
RGB	24, 246, 3
RGB Percent	9%, 96%, 1%
CMY	0.9045, 0.0360, 0.9867
CMYK	0.90, 0.00, 0.99, 0.04
HSL	115°, 97%, 49%
HSV	115°, 99%, 96%
XYZ	33.3040, 66.0070, 11.0817
YIQ	151.9200, -54.3090, -122.6370

Conversions

Conversions Part 2

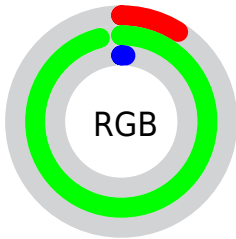
Format	Color
RYB	3, 246, 225
Decimal	1635843
CIELab	85.00, -82.85, 80.76
CIELCh	85, 115.697, 135.731
Yxy	66.0070, 0.3017, 0.5979
Android (android.graphics.Color)	4279825923 (0xFF18F603)
YUV	151.9200, -73.4176, -112.1858
Hunter-Lab	81.2447, -69.0070, 48.7842

Details

The CIELCh color **85, 115.697, 135.731** 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 **55, 112.764, 324.842**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.308, 135.183**, and **66, 95.251, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **85, 116.025, 135.720**, and if you desaturate by 10%, it is **85, 112.334, 135.782**.

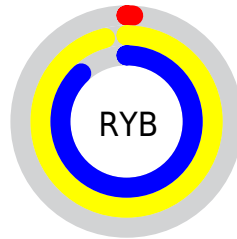
Distribution



Red (9%)

Green (96%)

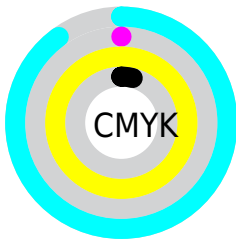
Blue (1%)



Red (1%)

Yellow (96%)

Blue (88%)

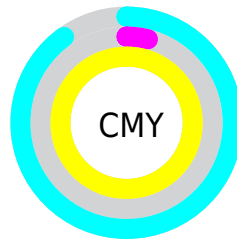


Cyan (90%)

Magenta (0%)

Yellow (99%)

Black (4%)



Cyan (90%)


Magenta (4%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 115.697, 135.731 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, 115.697, 135.731 by changing the saturation by 10% instead.


 85, 115.697,
135.731


 85, 115.697,
135.731


 100, 115.697,
135.731


 75, 115.697,
135.731


 65, 115.697,
135.731

 55, 115.697,
135.731

 45, 115.697,
135.731

 35, 115.697,
135.731

 25, 115.697,
135.731

 15, 115.697,

135.731

■ 5, 115.697,
135.731

■ 0, 115.697,
135.731

■ 85, 115.697,
135.731

■ 85, 115.697,
135.731

■ 85, 116.025,
135.720

■ 85, 112.334,
135.782

■ 86, 105.958,
136.179

■ 86, 96.727,
136.881

■ 87, 85.240,
137.749

■ 88, 72.137,
138.661

■ 90, 57.968,
139.537

■ 91, 43.168,
140.335

■ 93, 28.073,
141.042

■ 95, 12.933,
141.662

Harmonies

Complementary

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



85, 115.697, 135.731



55, 112.764, 324.842

Rectangle

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



85, 115.697, 135.731



85, 115.697, 185.731



85, 115.697, 315.731



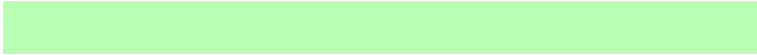
85, 115.697, 5.731

Sweetspot

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



85, 115.696, 135.732



94, 46.598, 140.226



88, 87.546, 95.968



49, 31.738, 139.894



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, 115.696, 135.732



88, 119.306, 135.729



85, 95.418, 144.523



50, 8.503, 141.611



66, 94.061, 135.637



21, 40.372, 136.099

Inverse Universe

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



55, 112.764, 324.842



57, 116.218, 324.805



54, 84.699, 353.087



48, 8.529, 322.545



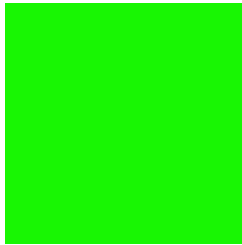
41, 91.728, 324.868



10, 40.744, 325.305

Previews

White Background



This preview shows how the CIELCh color 85, 115.697, 135.731 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 CIE LCh color 85, 115.697, 135.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

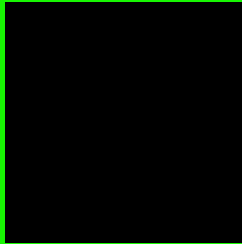
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

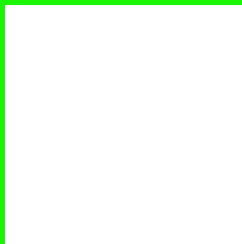
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 115.697, 135.731

Background



This preview shows how black text looks on a background with the CIELCh color 85, 115.697, 135.731.



This preview shows how white text looks on a background with the CIELCh color 85, 115.697, 135.731.

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, 115.799, 135.731

Protanopia

84, 84.834, 95.127

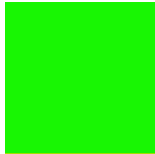
Deuteranopia

84, 54.296, 80.544



Tritanopia
85, 35.006, 214.096

Trichromacy



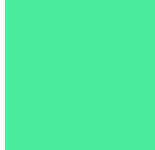
Original Color
85, 115.799, 135.731



Protanomaly
82, 92.296, 119.376

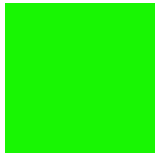


Deuteranomaly
81, 74.063, 118.899

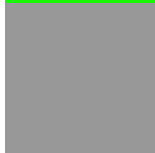


Tritanomaly
83, 63.337, 156.540

Monochromacy



Original Color
85, 115.799, 135.731



Achromatopsia
63, 0.008, 296.813



Achromatomaly
69, 56.067, 138.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 115.697, 135.731 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(24, 246, 3)` looks like.

```
.text, #text, p{  
    color:rgb(24, 246, 3)  
}
```

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(24, 246, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 246, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 115.697, 135.731 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(24, 246, 3) }
```

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

```
.border{ border-color:rgb(24, 246, 3) }
```

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

Here you see how a box with a 4 pixel rgb(24, 246, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 246, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 246, 3);  
box-shadow:4px 4px 4px 4px rgb(24, 246, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 85, 115.697, 135.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 246, 3) }
```

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

```
.background{ background-color: rgb(24, 246,  
3) }
```

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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