

Converting Colors

CIELCh(85, 116.025, 136.366)

Have a look what the booklet for
CIELCh(85, 116.025, 136.366)
contains.

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Color

CIELCh(85, 115.844, 136.270)

Conversions

Conversions Part 1

Format	Color
Hex	01F60B
RGB	1, 246, 11
RGB Percent	0%, 96%, 4%
CMY	0.9972, 0.0349, 0.9553
CMYK	1.00, 0.00, 0.95, 0.03
HSL	123°, 99%, 48%
HSV	123°, 100%, 97%
XYZ	33.0602, 66.0070, 11.3260
YIQ	145.9550, -70.5850, -125.0250

Conversions

Conversions Part 2

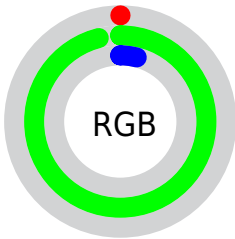
Format	Color
R_{YB}	1, 236, 246
Decimal	128523
CIE _{Lab}	85.00, -83.71, 80.08
CIE _{LCh}	85, 115.844, 136.270
Yxy	66.0070, 0.2995, 0.5979
Android (android.graphics.Color)	4278318603 (0xFF01F60B)
YUV	145.9550, -66.5328, -127.1255
Hunter-Lab	81.2447, -69.5427, 48.6059

Details

The CIELCh color **85, 115.844, 136.270** 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 **58, 108.624, 330.069**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.383, 136.103**, and **66, 95.251, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **85, 115.904, 136.263**, and if you desaturate by 10%, it is **85, 112.519, 136.872**.

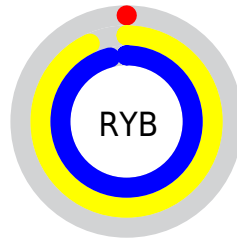
Distribution



Red (0%)

Green (96%)

Blue (4%)



Red (0%)

Yellow (93%)

Blue (96%)

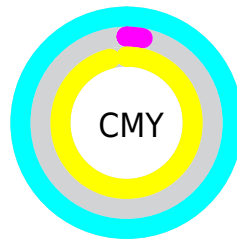


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (3%)



Cyan (100%)


Magenta (3%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 115.844, 136.270 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, 115.844, 136.270 by changing the saturation by 10% instead.


 85, 115.844,
136.270


 85, 115.844,
136.270


 100, 115.844,
136.270


 75, 115.844,
136.270


 65, 115.844,
136.270

 55, 115.844,
136.270

 45, 115.844,
136.270

 35, 115.844,
136.270

 25, 115.844,
136.270

 15, 115.844,

136.270

■ 5, 115.844,
136.270

■ 0, 115.844,
136.270

■ 85, 115.844,
136.270

■ 85, 115.844,
136.270

■ 85, 115.904,
136.263

■ 85, 112.519,
136.872

■ 85, 106.302,
137.837

■ 86, 97.370,
139.011

■ 87, 86.224,
140.251

■ 88, 73.415,
141.448

■ 89, 59.448,
142.541

■ 91, 44.759,
143.506

■ 93, 29.704,
144.341

■ 95, 14.566,
145.061

Harmonies

Complementary

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



85, 115.844, 136.270



58, 108.624, 330.069

Rectangle

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



85, 115.844, 136.270



85, 115.844, 186.270



85, 115.844, 316.270



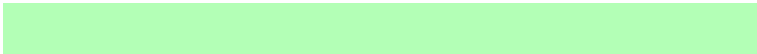
85, 115.844, 6.270

Sweetspot

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



85, 115.843, 136.271



94, 46.512, 143.475



94, 94.379, 104.949



49, 31.671, 143.081



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, 115.843, 136.271



88, 119.091, 136.252



86, 84.304, 150.500



50, 8.489, 145.077



66, 93.753, 136.365



20, 40.200, 138.188

Inverse Universe

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



58, 108.624, 330.069



60, 111.616, 330.079



53, 82.143, 5.986



48, 8.503, 326.138



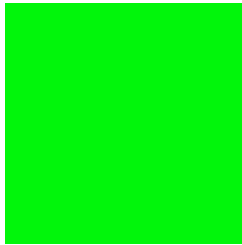
44, 88.167, 330.042



11, 39.378, 329.793

Previews

White Background



This preview shows how the CIELCh color 85, 115.844, 136.270 looks on a white background.

Color Contrast Check

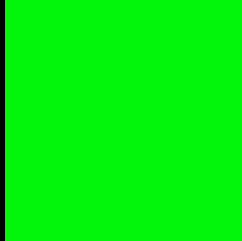
Large Text (above 18pt) WCAG AA × Fail

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, 115.844, 136.270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

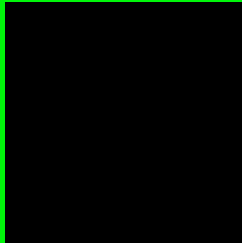
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

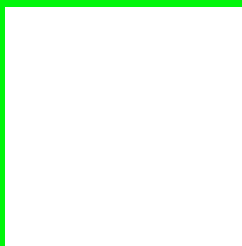
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 115.844, 136.270

Background



This preview shows how black text looks on a background with the CIELCh color 85, 115.844, 136.270.



This preview shows how white text looks on a background with the CIELCh color 85, 115.844, 136.270.

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

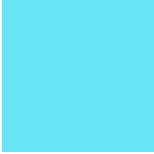
85, 115.825, 136.258

Protanopia

84, 84.834, 95.127

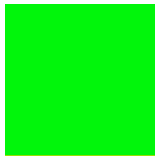
Deuteranopia

84, 54.049, 80.979



Tritanopia
85, 35.523, 212.898

Trichromacy



Original Color

85, 115.825, 136.258



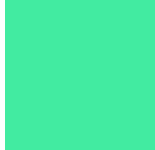
Protanomaly

82, 93.219, 121.382



Deuteranomaly

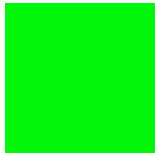
81, 74.088, 121.771



Tritanomaly

84, 63.987, 158.112

Monochromacy



Original Color

85, 115.825, 136.258



Achromatopsia

61, 0.008, 296.813



Achromatomaly

67, 56.631, 141.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 115.844, 136.270 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(1, 246, 11)` looks like.

```
.text, #text, p{  
    color:rgb(1, 246, 11)  
}
```

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(1, 246, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 246, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 115.844, 136.270 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(1, 246, 11) }
```

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

```
.border{ border-color:rgb(1, 246, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 246, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 246, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 246, 11);  
box-shadow:4px 4px 4px 4px rgb(1, 246, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 85, 115.844, 136.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 246, 11) }
```

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

```
.background{ background-color: rgb(1, 246,  
11) }
```

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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