

Converting Colors

CIELCh(85, 115.569, 136.157)

Have a look what the booklet for
CIELCh(85, 115.569, 136.157)
contains.

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Color

CIELCh(85, 115.564, 136.165)

Conversions

Conversions Part 1

Format	Color
Hex	0BF60C
RGB	11, 246, 12
RGB Percent	4%, 96%, 5%
CMY	0.9570, 0.0353, 0.9528
CMYK	0.96, 0.00, 0.95, 0.04
HSL	120°, 93%, 50%
HSV	120°, 96%, 96%
XYZ	33.1587, 66.0070, 11.3407
YIQ	149.0590, -64.9460, -122.5940

Conversions

Conversions Part 2

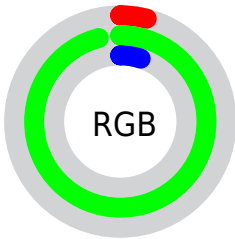
Format	Color
R _Y B	11, 245, 246
Decimal	783884
CIE Lab	85.00, -83.36, 80.04
CIE LCh	85, 115.564, 136.165
Yxy	66.0070, 0.3001, 0.5973
Android (android.graphics.Color)	4278973964 (0xFF0BF60C)
YUV	149.0590, -67.5701, -121.0777
Hunter-Lab	81.2447, -69.3263, 48.5952

Details

The CIELCh color **85, 115.564, 136.165** 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, 111.324, 328.385**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.084, 135.846**, and **66, 95.251, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **85, 116.489, 136.042**, and if you desaturate by 10%, it is **85, 111.761, 136.680**.

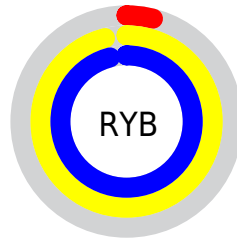
Distribution



Red (4%)

Green (96%)

Blue (5%)



Red (4%)

Yellow (96%)

Blue (96%)

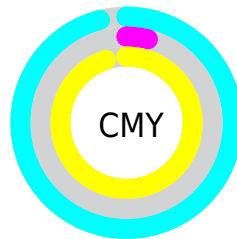


Cyan (96%)

Magenta (0%)

Yellow (95%)

Black (4%)



Cyan (96%)


Magenta (4%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 115.564, 136.165 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, 115.564, 136.165 by changing the saturation by 10% instead.


 85, 115.564,
136.165


 85, 115.564,
136.165


 100, 115.564,
136.165


 75, 115.564,
136.165


 65, 115.564,
136.165

 55, 115.564,
136.165

 45, 115.564,
136.165

 35, 115.564,
136.165

 25, 115.564,
136.165

 15, 115.564,

136.165

■ 5, 115.564,
136.165

■ 0, 115.564,
136.165

■ 85, 115.564,
136.165

■ 85, 115.564,
136.165

■ 85, 116.489,
136.042

■ 85, 111.761,
136.680

■ 86, 104.801,
137.544

■ 86, 95.022,
138.629

■ 87, 83.029,
139.787

■ 88, 69.439,
140.906

■ 90, 54.792,
141.926

■ 91, 39.534,
142.824

■ 93, 24.016,
143.600

■ 96, 8.506, 144.278

Harmonies

Complementary

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



85, 115.564, 136.165



58, 111.324, 328.385

Rectangle

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



85, 115.564, 136.165



85, 115.564, 186.165



85, 115.564, 316.165



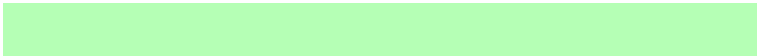
85, 115.564, 6.165

Sweetspot

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



85, 115.563, 136.166



94, 46.182, 142.523



94, 93.523, 102.909



49, 31.630, 142.136



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, 115.563, 136.166



88, 119.707, 136.040



86, 85.192, 149.714



50, 8.719, 144.018



66, 94.469, 136.052



20, 41.001, 137.478

Inverse Universe

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



58, 111.324, 328.385



60, 115.153, 328.416



53, 81.928, 0.968



48, 8.732, 325.065



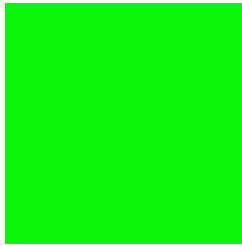
44, 90.907, 328.412



11, 40.437, 328.388

Previews

White Background



This preview shows how the CIE LCh color 85, 115.564, 136.165 looks on a white background.

Color Contrast Check

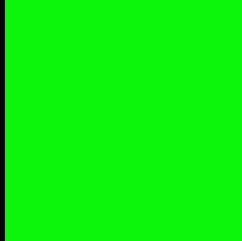
Large Text (above 18pt) WCAG AA × Fail

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, 115.564, 136.165 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

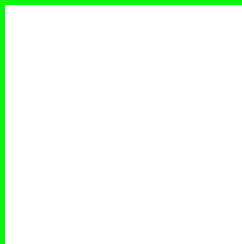
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 115.564, 136.165

Background



This preview shows how black text looks on a background with the CIELCh color 85, 115.564, 136.165.



This preview shows how white text looks on a background with the CIELCh color 85, 115.564, 136.165.

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

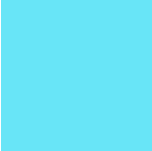
85, 115.564, 136.165

Protanopia

84, 84.834, 95.127

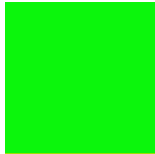
Deuteranopia

84, 54.296, 80.544



Tritanopia
85, 35.348, 212.988

Trichromacy



Original Color

85, 115.564, 136.165



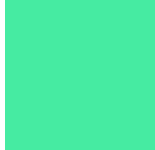
Protanomaly

82, 92.690, 120.532



Deuteranomaly

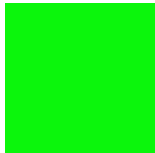
81, 73.583, 120.642



Tritanomaly

84, 63.133, 158.167

Monochromacy



Original Color

85, 115.564, 136.165



Achromatopsia

62, 0.008, 296.813



Achromatomaly

68, 55.811, 140.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 115.564, 136.165 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(11, 246, 12)` looks like.

```
.text, #text, p{  
    color:rgb(11, 246, 12)  
}
```

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(11, 246, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 246, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 115.564, 136.165 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(11, 246, 12) }
```

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

```
.border{ border-color:rgb(11, 246, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 246, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 246, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 246, 12);  
box-shadow:4px 4px 4px 4px rgb(11, 246,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 115.564, 136.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 246, 12) }
```

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

```
.background{ background-color: rgb(11, 246,  
12) }
```

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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