

Converting Colors

CIELCh(83, 113.639, 136.428)

Have a look what the booklet for
CIELCh(83, 113.639, 136.428)
contains.

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Color

CIELCh(83, 113.587, 136.311)

Conversions

Conversions Part 1

Format	Color
Hex	00F00B
RGB	0, 240, 11
RGB Percent	0%, 94%, 4%
CMY	1.0000, 0.0599, 0.9564
CMYK	1.00, 0.00, 0.95, 0.06
HSL	123°, 100%, 47%
HSV	123°, 100%, 94%
XYZ	31.1124, 62.1629, 10.6780
YIQ	142.1340, -69.5310, -122.0990

Conversions

Conversions Part 2

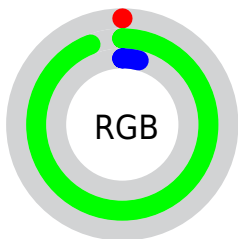
Format	Color
RYB	0, 229, 240
Decimal	61451
CIELab	83.00, -82.13, 78.46
CIELCh	83, 113.587, 136.311
Yxy	62.1629, 0.2993, 0.5980
Android (android.graphics.Color)	4278251531 (0xFF00F00B)
YUV	142.1340, -64.6491, -124.6515
Hunter-Lab	78.8435, -67.5382, 47.1606

Details

The CIELCh color **83, 113.587, 136.311** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **56, 106.285, 330.199**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.868, 136.094**, and **65, 92.981, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 113.548, 136.288**, and if you desaturate by 10%, it is **83, 110.276, 136.896**.

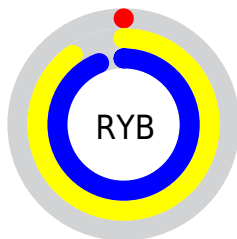
Distribution



Red (0%)

Green (94%)

Blue (4%)



Red (0%)

Yellow (90%)

Blue (94%)

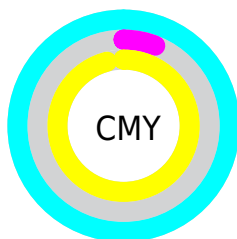


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (6%)



Cyan (100%)


Magenta (6%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 113.587, 136.311 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 83, 113.587, 136.311 by changing the saturation by 10% instead.


 83, 113.587,
136.311


 83, 113.587,
136.311


 100, 113.587,
136.311


 73, 113.587,
136.311


 63, 113.587,
136.311

 53, 113.587,
136.311

 43, 113.587,
136.311

 33, 113.587,
136.311

 23, 113.587,
136.311

 13, 113.587,

136.311

■ 3, 113.587,
136.311

■ 0, 113.587,
136.311

■ 83, 113.587,
136.311

■ 83, 113.587,
136.311

■ 83, 113.548,
136.288

■ 83, 110.276,
136.896

■ 83, 104.202,
137.871

■ 84, 95.488,
139.052

■ 85, 84.618,
140.296

■ 86, 72.124,
141.497

■ 87, 58.495,
142.594

■ 89, 44.155,
143.561

■ 90, 29.452,
144.399

■ 92, 14.662,
145.122

Harmonies

Complementary

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



83, 113.587, 136.311



56, 106.285, 330.199

Rectangle

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



83, 113.587, 136.311



83, 113.587, 186.311



83, 113.587, 316.311



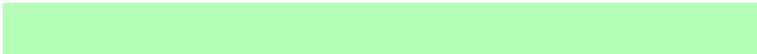
83, 113.587, 6.311

Sweetspot

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



83, 113.548, 136.288



94, 46.422, 143.552



91, 92.570, 104.948



49, 31.609, 143.159



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 113.548, 136.288



88, 119.043, 136.269



84, 82.719, 150.471



49, 8.327, 145.157



65, 92.731, 136.394



19, 38.763, 138.625

Inverse Universe

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



56, 106.285, 330.199



60, 111.362, 330.206



51, 80.568, 6.043



47, 8.341, 326.217



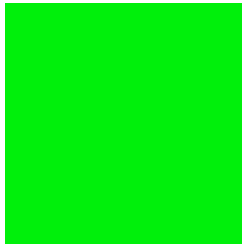
43, 87.076, 330.165



10, 38.205, 329.884

Previews

White Background



This preview shows how the CIELCh color 83, 113.587, 136.311 looks on a white background.

Color Contrast Check

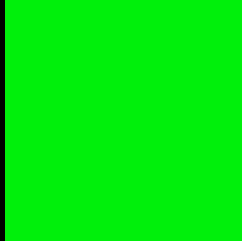
Large Text (above 18pt) WCAG AA × Fail

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 83, 113.587, 136.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

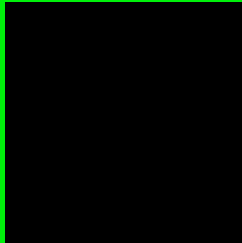
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

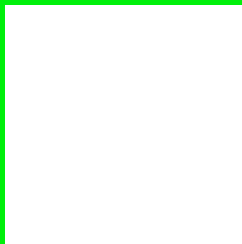
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 113.587, 136.311

Background



This preview shows how black text looks on a background with the CIELCh color 83, 113.587, 136.311.

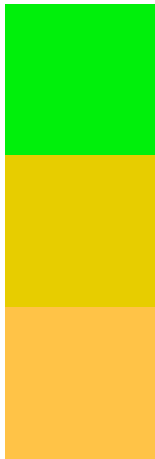


This preview shows how white text looks on a background with the CIELCh color 83, 113.587, 136.311.

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

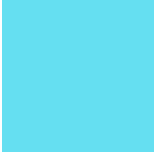
83, 113.660, 136.284

Protanopia

82, 83.066, 94.918

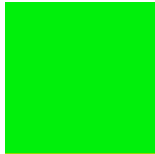
Deuteranopia

82, 68.154, 81.626



Tritanopia
83, 34.677, 213.388

Trichromacy



Original Color

83, 113.660, 136.284



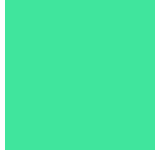
Protanomaly

80, 91.293, 121.353



Deuteranomaly

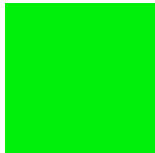
79, 78.730, 118.567



Tritanomaly

82, 62.678, 158.193

Monochromacy



Original Color

83, 113.660, 136.284



Achromatopsia

59, 0.008, 296.813



Achromatomaly

66, 56.166, 141.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 113.587, 136.311 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(0, 240, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 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(0, 240, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 113.587, 136.311 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(0, 240, 11) }
```

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

```
.border{ border-color:rgb(0, 240, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 83, 113.587, 136.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 11) }
```

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

```
.background{ background-color: rgb(0, 240,  
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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