

Converting Colors

CIELCh(80, 110.603, 136.014)

Have a look what the booklet for
CIELCh(80, 110.603, 136.014)
contains.

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Color

CIELCh(80, 110.559, 136.015)

Conversions

Conversions Part 1

Format	Color
Hex	05E602
RGB	5, 230, 2
RGB Percent	2%, 90%, 1%
CMY	0.9820, 0.0976, 0.9909
CMYK	0.98, 0.00, 0.99, 0.10
HSL	119°, 98%, 46%
HSV	119°, 99%, 90%
XYZ	28.3934, 56.6813, 9.5102
YIQ	136.7330, -60.9120, -118.6080

Conversions

Conversions Part 2

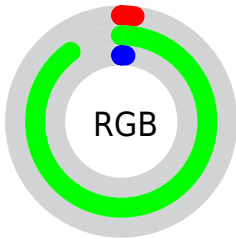
Format	Color
RYB	2, 230, 227
Decimal	386562
CIELab	80.00, -79.55, 76.78
CIELCh	80, 110.559, 136.015
Yxy	56.6813, 0.3002, 0.5993
Android (android.graphics.Color)	4278576642 (0xFF05E602)
YUV	136.7330, -66.4234, -115.5298
Hunter-Lab	75.2870, -64.4335, 45.2114

Details

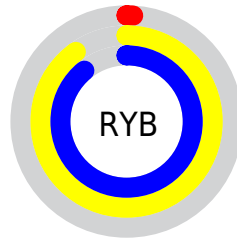
The CIELCh color **80, 110.559, 136.015** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54, 106.791, 327.833**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.817, 135.687**, and **62, 89.550, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 110.776, 135.985**, and if you desaturate by 10%, it is **80, 107.750, 136.372**.

Distribution



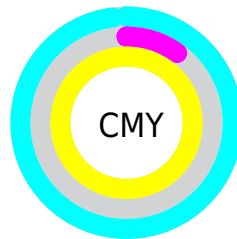
- Red (2%)
- Green (90%)
- Blue (1%)



- Red (1%)
- Yellow (90%)
- Blue (89%)



- Cyan (98%)
- Magenta (0%)
- Yellow (99%)
- Black (10%)





- Cyan (98%)
- Magenta (10%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 110.559, 136.015 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 80, 110.559, 136.015 by changing the saturation by 10% instead.


 80, 110.559,
136.015


 80, 110.559,
136.015


 100, 110.559,
136.015


 70, 110.559,
136.015


 60, 110.559,
136.015

 50, 110.559,
136.015

 40, 110.559,
136.015

 30, 110.559,
136.015

 20, 110.559,
136.015

 10, 110.559,

136.015

■ 0, 110.559,
136.015

■ 80, 110.559,
136.015

■ 80, 110.559,
136.015

■ 80, 110.776,
135.985

■ 80, 107.750,
136.372

■ 80, 102.092,
137.067

■ 81, 93.611,
138.038

■ 82, 82.840,
139.139

■ 83, 70.379,
140.242

■ 84, 56.772,
141.271

■ 86, 42.466,
142.188

■ 87, 27.818,
142.987

■ 89, 13.103,
143.678

Harmonies

Complementary

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



80, 110.559, 136.015



54, 106.791, 327.833

Rectangle

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



80, 110.559, 136.015



80, 110.559, 186.015



80, 110.559, 316.015



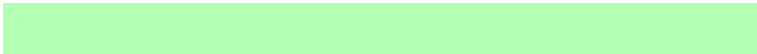
80, 110.559, 6.015

Sweetspot

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



80, 110.558, 136.016



94, 47.752, 142.086



88, 88.367, 101.808



49, 32.511, 141.706



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 110.558, 136.016



88, 119.733, 135.989



81, 83.915, 148.195



47, 8.267, 143.648



63, 91.596, 135.973



17, 36.671, 138.661

Inverse Universe

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



54, 106.791, 327.833



60, 115.615, 327.833



50, 78.447, 0.664



45, 8.280, 324.672



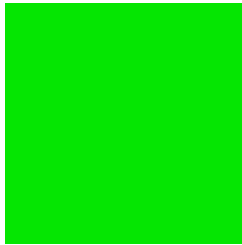
42, 88.464, 327.841



8, 37.120, 327.902

Previews

White Background



This preview shows how the CIELCh color 80, 110.559, 136.015 looks on a white background.

Color Contrast Check

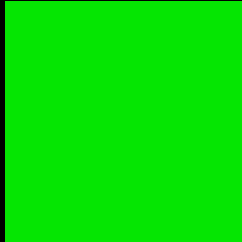
Large Text (above 18pt) WCAG AA × Fail

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 80, 110.559, 136.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

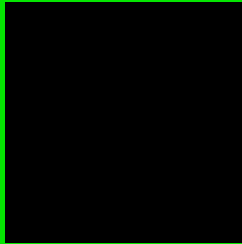
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

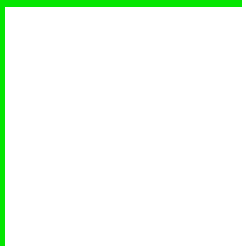
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 110.559, 136.015

Background



This preview shows how black text looks on a background with the CIELCh color 80, 110.559, 136.015.



This preview shows how white text looks on a background with the CIELCh color 80, 110.559, 136.015.

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


80, 110.538, 136.001

Protanopia

79, 80.627, 94.934

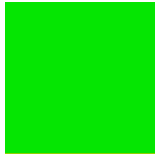
Deuteranopia

79, 72.504, 81.731



Tritanopia
80, 33.544, 213.121

Trichromacy



Original Color
80, 110.538, 136.001



Protanomaly
77, 88.384, 120.781

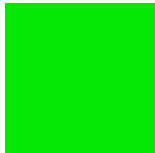


Deuteranomaly
76, 79.172, 116.544



Tritanomaly
79, 61.592, 157.101

Monochromacy



Original Color
80, 110.538, 136.001



Achromatopsia
57, 0.007, 296.813



Achromatomaly
63, 54.876, 140.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 110.559, 136.015 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(5, 230, 2)` looks like.

```
.text, #text, p{  
    color:rgb(5, 230, 2)  
}
```

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(5, 230, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 230, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 110.559, 136.015 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(5, 230, 2) }
```

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

```
.border{ border-color:rgb(5, 230, 2) }
```

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

Here you see how a box with a 4 pixel rgb(5, 230, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 230, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 230, 2); box-shadow:4px  
4px 4px 4px rgb(5, 230, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 110.559, 136.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 230, 2) }
```

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

```
.background{ background-color: rgb(5, 230,  
2) }
```

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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