

Converting Colors

CIELCh(80, 109.320, 136.497)

Have a look what the booklet for
CIELCh(80, 109.320, 136.497)
contains.

CIELCh(80, 109.303, 136.506)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(80, 109.303, 136.506)

Conversions

Conversions Part 1

Format	Color
Hex	03E612
RGB	3, 230, 18
RGB Percent	1%, 90%, 7%
CMY	0.9873, 0.0979, 0.9290
CMYK	0.99, 0.00, 0.92, 0.10
HSL	124°, 97%, 46%
HSV	124°, 99%, 90%
XYZ	28.4587, 56.6813, 10.0170
YIQ	137.9590, -67.2400, -114.0560

Conversions

Conversions Part 2

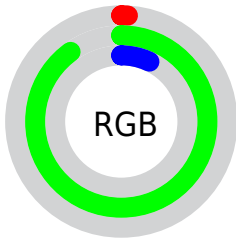
Format	Color
R_{YB}	3, 216, 230
Decimal	255506
CIE _{Lab}	80.00, -79.29, 75.23
CIE _{LCh}	80, 109.303, 136.506
Yxy	56.6813, 0.2991, 0.5957
Android (android.graphics.Color)	4278445586 (0xFF03E612)
YUV	137.9590, -59.1398, -118.3590
Hunter-Lab	75.2870, -64.2786, 44.8123

Details

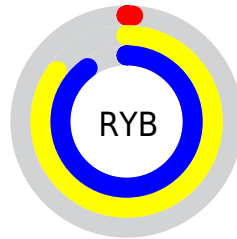
The CIELCh color **80, 109.303, 136.506** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54, 101.297, 331.024**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 93.308, 136.463**, and **62, 89.550, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 109.669, 136.439**, and if you desaturate by 10%, it is **80, 105.398, 137.321**.

Distribution



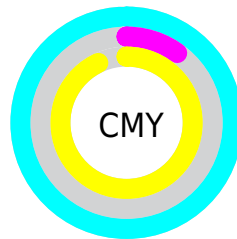
- Red (1%)
- Green (90%)
- Blue (7%)



- Red (1%)
- Yellow (85%)
- Blue (90%)



- Cyan (99%)
- Magenta (0%)
- Yellow (92%)
- Black (10%)





- Cyan (99%)
- Magenta (10%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 109.303, 136.506 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, 109.303, 136.506 by changing the saturation by 10% instead.


 80, 109.303,
136.506


 80, 109.303,
136.506


 100, 109.303,
136.506


 70, 109.303,
136.506


 60, 109.303,
136.506

 50, 109.303,
136.506

 40, 109.303,
136.506

 30, 109.303,
136.506

 20, 109.303,
136.506

 10, 109.303,

136.506

■ 0, 109.303,
136.506

■ 80, 109.303,
136.506

■ 80, 109.303,
136.506

■ 80, 109.669,
136.439

■ 80, 105.398,
137.321

■ 81, 98.887,
138.438

■ 81, 90.028,
139.702

■ 82, 79.275,
140.981

■ 83, 67.102,
142.187

■ 84, 53.945,
143.275

■ 86, 40.179,
144.227

■ 87, 26.118,
145.050

■ 89, 12.009,
145.762

Harmonies

Complementary

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



80, 109.303, 136.506



54, 101.297, 331.024

Rectangle

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



80, 109.303, 136.506



80, 109.303, 186.506



80, 109.303, 316.506



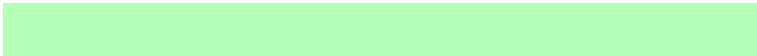
80, 109.303, 6.506

Sweetspot

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



80, 109.302, 136.507



94, 45.811, 144.086



88, 89.566, 105.965



49, 31.196, 143.689



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, 109.302, 136.507



88, 118.669, 136.398



81, 78.014, 151.762



47, 7.929, 145.704



63, 90.423, 136.571



17, 35.562, 139.960

Inverse Universe

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



54, 101.297, 331.024



59, 109.661, 331.086



49, 77.864, 6.908



45, 7.943, 326.767



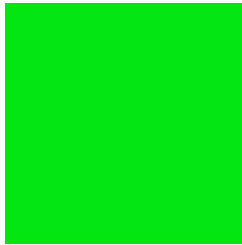
42, 84.005, 331.019



8, 35.532, 330.563

Previews

White Background



This preview shows how the CIE LCh color 80, 109.303, 136.506 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, 109.303, 136.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

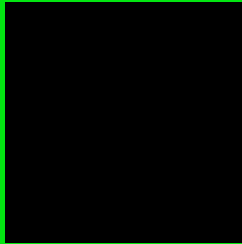
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 109.303, 136.506

Background



This preview shows how black text looks on a background with the CIELCh color 80, 109.303, 136.506.



This preview shows how white text looks on a background with the CIELCh color 80, 109.303, 136.506.

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

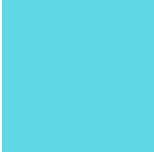
80, 109.303, 136.506

Protanopia

79, 80.627, 94.934

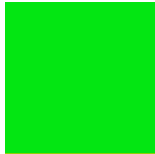
Deuteranopia

79, 71.874, 81.605



Tritanopia
80, 33.722, 213.025

Trichromacy



Original Color

80, 109.303, 136.506



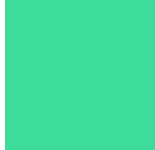
Protanomaly

77, 87.981, 121.156



Deuteranomaly

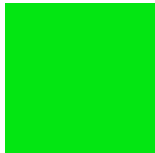
76, 77.615, 117.240



Tritanomaly

79, 59.462, 159.356

Monochromacy



Original Color

80, 109.303, 136.506



Achromatopsia

57, 0.007, 296.813



Achromatomaly

63, 52.316, 142.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 109.303, 136.506 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(3, 230, 18)` looks like.

```
.text, #text, p{  
    color:rgb(3, 230, 18)  
}
```

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(3, 230, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 230, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 109.303, 136.506 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(3, 230, 18) }
```

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

```
.border{ border-color:rgb(3, 230, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 230, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 230, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 230, 18);  
box-shadow:4px 4px 4px 4px rgb(3, 230, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 80, 109.303, 136.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 230, 18) }
```

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

```
.background{ background-color: rgb(3, 230,  
18) }
```

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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