

Converting Colors

CIELCh(80, 106.178, 135.393)

Have a look what the booklet for
CIELCh(80, 106.178, 135.393)
contains.

CIELCh(80, 106.207, 135.411)	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, 106.207, 135.411)

Conversions

Conversions Part 1

Format	Color
Hex	31E518
RGB	49, 229, 24
RGB Percent	19%, 90%, 9%
CMY	0.8088, 0.1024, 0.9067
CMYK	0.79, 0.00, 0.90, 0.10
HSL	113°, 81%, 50%
HSV	113°, 90%, 90%
XYZ	29.4024, 56.6813, 10.2423
YIQ	151.8100, -41.4750, -101.9150

Conversions

Conversions Part 2

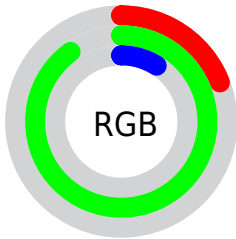
Format	Color
R _Y B	24, 229, 204
Decimal	3269912
CIE Lab	80.00, -75.64, 74.56
CIE LCh	80, 106.207, 135.411
Yxy	56.6813, 0.3052, 0.5884
Android (android.graphics.Color)	4281459992 (0xFF31E518)
YUV	151.8100, -63.0103, -90.1644
Hunter-Lab	75.2870, -62.0413, 44.6349

Details

The CIELCh color **80, 106.207, 135.411** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **51, 104.787, 323.771**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.525, 134.894**, and **61, 89.167, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 109.486, 135.490**, and if you desaturate by 10%, it is **80, 100.234, 135.651**.

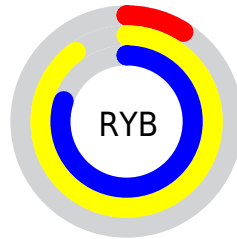
Distribution



Red (19%)

Green (90%)

Blue (9%)



Red (9%)

Yellow (90%)

Blue (80%)

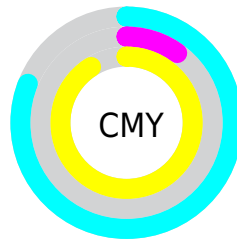


Cyan (79%)

Magenta (0%)

Yellow (90%)

Black (10%)



Cyan (81%)


Magenta (10%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 106.207, 135.411 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, 106.207, 135.411 by changing the saturation by 10% instead.


 80, 106.207,
135.411


 80, 106.207,
135.411


 100, 106.207,
135.411


 70, 106.207,
135.411

 60, 106.207,
135.411

 50, 106.207,
135.411

 40, 106.207,
135.411

 30, 106.207,
135.411

 20, 106.207,
135.411

 10, 106.207,

135.411

■ 0, 106.207,
135.411

■ 80, 106.207,
135.411

■ 80, 106.207,
135.411

■ 80, 109.486,
135.490

■ 80, 100.234,
135.651

■ 80, 109.587,
135.490

■ 81, 91.609,
136.215

■ 82, 80.887,
136.971

■ 83, 68.667,
137.797

■ 84, 55.460,
138.609

■ 86, 41.667,
139.361

■ 87, 27.592,
140.034

■ 89, 13.464,
140.628

■ 91, 0.553, 320.656

Harmonies

Complementary

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



80, 106.207, 135.411



51, 104.787, 323.771

Rectangle

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



80, 106.207, 135.411



80, 106.207, 185.411



80, 106.207, 315.411



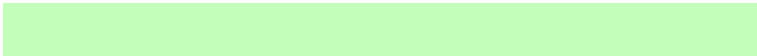
80, 106.207, 5.411

Sweetspot

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



80, 106.206, 135.412



95, 41.491, 139.533



81, 79.411, 94.339



50, 27.939, 139.290



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, 106.206, 135.412



88, 118.975, 135.525



80, 87.641, 145.241



47, 7.974, 140.637



64, 90.866, 135.387



17, 35.700, 136.731

Inverse Universe

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



51, 104.787, 323.771



55, 116.634, 323.447



51, 80.991, 347.847



45, 8.004, 321.526



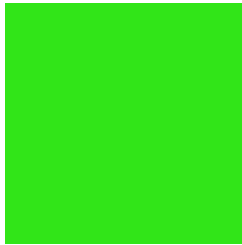
39, 89.218, 323.548



7, 37.225, 324.196

Previews

White Background



This preview shows how the CIE LCh color 80, 106.207, 135.411 looks on a white background.

Color Contrast Check

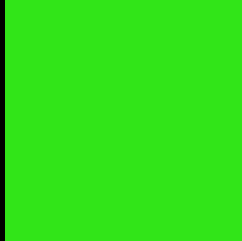
Large Text (above 18pt) WCAG AA × Fail

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, 106.207, 135.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

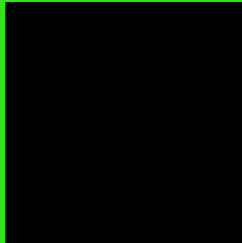
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 106.207, 135.411

Background



This preview shows how black text looks on a background with the CIELCh color 80, 106.207, 135.411.

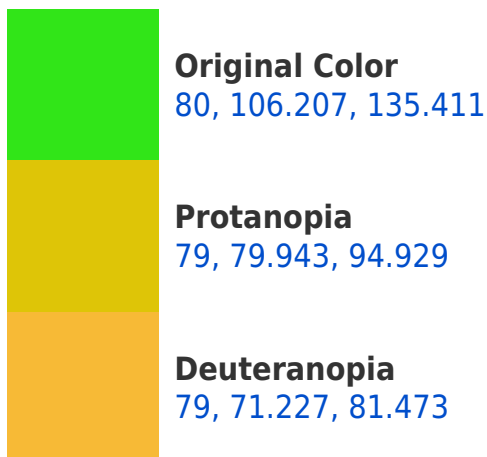


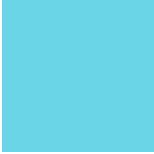
This preview shows how white text looks on a background with the CIELCh color 80, 106.207, 135.411.

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](#).

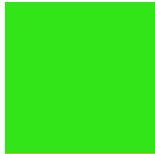
Dichromacy





Tritanopia
80, 31.846, 214.100

Trichromacy



Original Color
80, 106.207, 135.411



Protanomaly
78, 85.304, 117.199



Deuteranomaly
77, 75.249, 112.308



Tritanomaly
79, 55.285, 157.838

Monochromacy



Original Color
80, 106.207, 135.411



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 47.959, 138.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 106.207, 135.411 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(49, 229, 24)` looks like.

```
.text, #text, p{  
    color:rgb(49, 229, 24)  
}
```

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(49, 229, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 229, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 106.207, 135.411 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(49, 229, 24) }
```

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

```
.border{ border-color:rgb(49, 229, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 229, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 229, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 229, 24);  
box-shadow:4px 4px 4px 4px rgb(49, 229,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 106.207, 135.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 229, 24) }
```

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

```
.background{ background-color: rgb(49, 229,  
24) }
```

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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