

Converting Colors

CIELCh(80, 106.074, 134.440)

Have a look what the booklet for
CIELCh(80, 106.074, 134.440)
contains.

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Color

CIELCh(80, 105.903, 134.457)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 3CE411 |
| RGB | 60, 228, 17 |
| RGB Percent | 24%, 89%, 7% |
| CMY | 0.7663, 0.1044, 0.9336 |
| CMYK | 0.74, 0.00, 0.93, 0.10 |
| HSL | 108°, 86%, 48% |
| HSV | 108°, 93%, 90% |
| XYZ | 29.7861, 56.6813, 9.8976 |
| YIQ | 153.7140, -32.3970, -101.2370 |

Conversions

Conversions Part 2

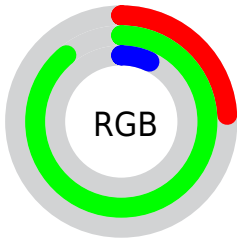
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 17, 228, 185 |
| Decimal | 3990545 |
| CIE Lab | 80.00, -74.17, 75.59 |
| CIE LCh | 80, 105.903, 134.457 |
| Yxy | 56.6813, 0.3091, 0.5882 |
| Android (android.graphics.Color) | 4282180625 (0xFF3CE411) |
| YUV | 153.7140, -67.4000, -82.1872 |
| Hunter-Lab | 75.2870, -61.1315, 44.9063 |

Details

The CIELCh color **80, 105.903, 134.457** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **48, 106.453, 320.911**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.619, 133.620**, and **61, 88.783, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 108.345, 134.759**, and if you desaturate by 10%, it is **80, 100.511, 134.299**.

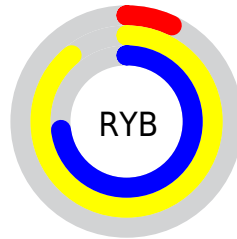
Distribution



Red (24%)

Green (89%)

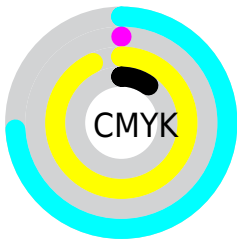
Blue (7%)



Red (7%)

Yellow (89%)

Blue (73%)

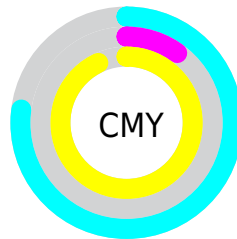


Cyan (74%)

Magenta (0%)

Yellow (93%)

Black (10%)



Cyan (77%)


Magenta (10%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 105.903, 134.457 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, 105.903, 134.457 by changing the saturation by 10% instead.


 80, 105.903,
134.457


 80, 105.903,
134.457


 100, 105.903,
134.457


 70, 105.903,
134.457


 60, 105.903,
134.457

 50, 105.903,
134.457

 40, 105.903,
134.457

 30, 105.903,
134.457

 20, 105.903,
134.457

 10, 105.903,

134.457

■ 0, 105.903,
134.457

■ 80, 105.903,
134.457

■ 80, 105.903,
134.457

■ 80, 108.345,
134.759

■ 80, 100.511,
134.299

■ 81, 92.489,
134.525

■ 82, 82.332,
135.022

■ 83, 70.638,
135.661

■ 84, 57.924,
136.342

■ 85, 44.593,
137.007

■ 87, 30.943,
137.622

■ 88, 17.193,
138.177

■ 90, 3.503, 138.711

Harmonies

Complementary

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



80, 105.903, 134.457



48, 106.453, 320.911

Rectangle

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



80, 105.903, 134.457



80, 105.903, 184.457



80, 105.903, 314.457



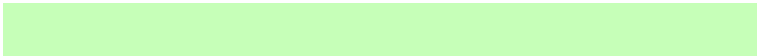
80, 105.903, 4.457

Sweetspot

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



80, 105.902, 134.458



95, 41.949, 137.285



76, 76.600, 87.396



50, 28.931, 137.011



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, 105.902, 134.458



88, 117.849, 134.814



80, 95.230, 141.751



47, 7.778, 138.339



64, 89.931, 134.608



18, 35.065, 135.345

Inverse Universe

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



48, 106.453, 320.911



52, 117.869, 320.504



52, 85.367, 342.626



45, 7.822, 319.160



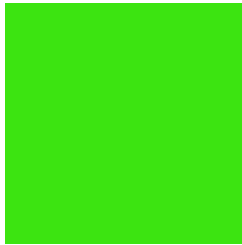
36, 90.129, 320.661



6, 37.097, 321.506

Previews

White Background



This preview shows how the CIE LCh color 80, 105.903, 134.457 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, 105.903, 134.457 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, 105.903, 134.457

Background



This preview shows how black text looks on a background with the CIELCh color 80, 105.903, 134.457.



This preview shows how white text looks on a background with the CIELCh color 80, 105.903, 134.457.

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

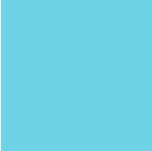
80, 105.711, 134.427

Protanopia

79, 80.627, 94.934

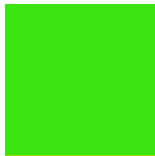
Deuteranopia

79, 72.191, 81.669



Tritanopia
80, 30.640, 214.860

Trichromacy



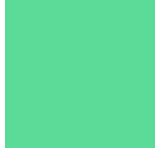
Original Color
80, 105.711, 134.427



Protanomaly
78, 85.119, 115.810



Deuteranomaly
77, 75.632, 110.579



Tritanomaly
79, 54.699, 156.013

Monochromacy



Original Color
80, 105.711, 134.427



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 47.841, 136.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 105.903, 134.457 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(60, 228, 17)` looks like.

```
.text, #text, p{  
    color:rgb(60, 228, 17)  
}
```

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(60, 228, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 228, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 105.903, 134.457 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(60, 228, 17) }
```

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

```
.border{ border-color:rgb(60, 228, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 228, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 228, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 228, 17);  
box-shadow:4px 4px 4px 4px rgb(60, 228,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 105.903, 134.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 228, 17) }
```

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

```
.background{ background-color: rgb(60, 228,  
17) }
```

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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