

Converting Colors

CIELCh(82, 109.948, 134.330)

Have a look what the booklet for
CIELCh(82, 109.948, 134.330)
contains.

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Color

CIELCh(82, 109.926, 134.365)

Conversions

Conversions Part 1

Format	Color
Hex	38EB02
RGB	56, 235, 2
RGB Percent	22%, 92%, 1%
CMY	0.7800, 0.0782, 0.9913
CMYK	0.76, 0.00, 0.99, 0.08
HSL	106°, 98%, 47%
HSV	106°, 99%, 92%
XYZ	31.3735, 60.2982, 10.0480
YIQ	154.9170, -31.8910, -110.4110

Conversions

Conversions Part 2

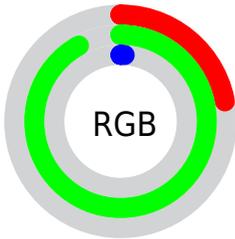
Format	Color
RYB	2, 235, 181
Decimal	3730178
CIELab	82.00, -76.86, 78.59
CIELCh	82, 109.926, 134.365
Yxy	60.2982, 0.3084, 0.5928
Android (android.graphics.Color)	4281920258 (0xFF38EB02)
YUV	154.9170, -75.3881, -86.7502
Hunter-Lab	77.6519, -63.7719, 46.6843

Details

The CIELCh color **82, 109.926, 134.365** 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 **47, 111.078, 319.550**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 91.293, 133.365**, and **63, 91.460, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 110.222, 134.408**, and if you desaturate by 10%, it is **82, 106.042, 133.877**.

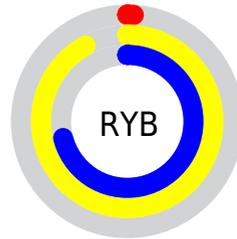
Distribution



Red (22%)

Green (92%)

Blue (1%)



Red (1%)

Yellow (92%)

Blue (71%)



Cyan (76%)

Magenta (0%)

Yellow (99%)

Black (8%)



Cyan (78%)

Magenta (8%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 109.926, 134.365 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 82, 109.926, 134.365 by changing the saturation by 10% instead.

 82, 109.926,
134.365

 82, 109.926,
134.365

 100, 109.926,
134.365

 72, 109.926,
134.365

 62, 109.926,
134.365

 52, 109.926,
134.365

 42, 109.926,
134.365

 32, 109.926,
134.365

 22, 109.926,
134.365

 12, 109.926,

134.365

■ 2, 109.926,
134.365

■ 0, 109.926,
134.365

■ 82, 109.926,
134.365

■ 82, 109.926,
134.365

■ 82, 110.222,
134.408

■ 82, 106.042,
133.877

■ 83, 99.515,
133.764

■ 84, 90.481,
134.018

■ 84, 79.515,
134.511

■ 85, 67.206,
135.122

■ 87, 54.036,
135.762

■ 88, 40.369,
136.381

■ 90, 26.469,
136.954

■ 91, 12.530,
137.473

Harmonies

Complementary

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



82, 109.926, 134.365



47, 111.078, 319.550

Rectangle

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



82, 109.926, 134.365



82, 109.926, 184.365



82, 109.926, 314.365



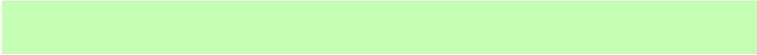
82, 109.926, 4.365

Sweetspot

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



82, 109.925, 134.366



95, 44.516, 136.317



76, 78.999, 84.774



50, 30.329, 136.057



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 109.925, 134.366



88, 117.294, 134.453



82, 102.190, 140.038



48, 7.850, 137.453



65, 90.444, 134.234



19, 36.329, 134.408

Inverse Universe

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



47, 111.078, 319.550



51, 118.424, 319.462



53, 88.457, 342.625



46, 7.900, 318.257



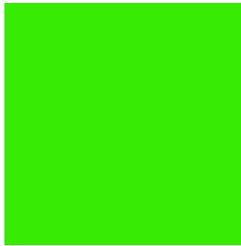
36, 91.500, 319.629



7, 38.613, 320.628

Previews

White Background



This preview shows how the CIELCh color 82, 109.926, 134.365 looks on a white background.

Color Contrast Check

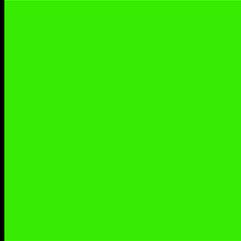
Large Text (above 18pt) WCAG AA × Fail

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 82, 109.926, 134.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

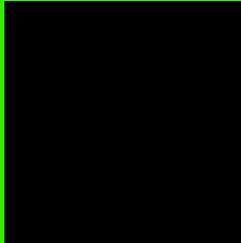
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 109.926, 134.365

Background



This preview shows how black text looks on a background with the CIELCh color 82, 109.926, 134.365.

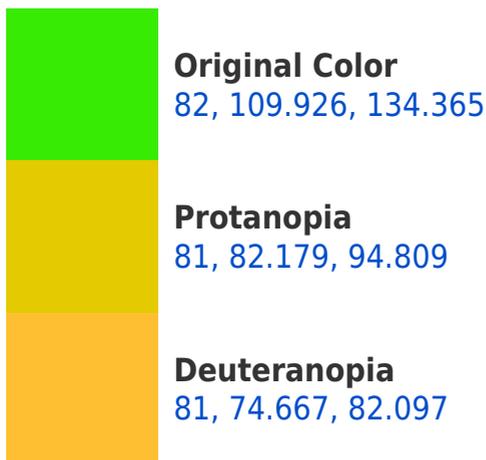


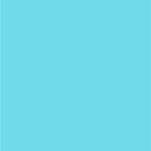
This preview shows how white text looks on a background with the CIELCh color 82, 109.926,

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
82, 31.778, 215.121

Trichromacy



Original Color
82, 109.926, 134.365



Protanomaly
80, 87.724, 116.408



Deuteranomaly
79, 79.614, 111.260



Tritanomaly
81, 58.488, 154.542

Monochromacy



Original Color
82, 109.926, 134.365



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 52.027, 135.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 109.926, 134.365 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(56, 235, 2)` looks like.

```
.text, #text, p{  
    color:rgb(56, 235, 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(56, 235, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 235, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 109.926, 134.365 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(56, 235, 2) }
```

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

```
.border{ border-color:rgb(56, 235, 2) }
```

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

Here you see how a box with a 4 pixel rgb(56, 235, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 235, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 235, 2);  
box-shadow:4px 4px 4px 4px rgb(56, 235, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 82, 109.926, 134.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 235, 2) }
```

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

```
.background{ background-color: rgb(56, 235,  
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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