

Converting Colors

CIELCh(86, 106.914, 130.648)

Have a look what the booklet for
CIELCh(86, 106.914, 130.648)
contains.

CIELCh(86, 106.850, 130.692)	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(86, 106.850, 130.692)

Conversions

Conversions Part 1

Format	Color
Hex	6AF411
RGB	106, 244, 17
RGB Percent	42%, 96%, 7%
CMY	0.5831, 0.0421, 0.9343
CMYK	0.56, 0.00, 0.93, 0.04
HSL	96°, 91%, 51%
HSV	96°, 93%, 96%
XYZ	38.5121, 67.9871, 11.6124
YIQ	176.8600, -9.3810, -99.8530

Conversions

Conversions Part 2

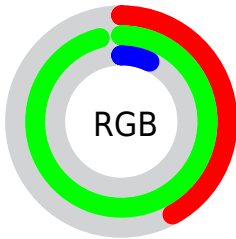
Format	Color
RYB	17, 244, 155
Decimal	7009297
CIELab	86.00, -69.67, 81.02
CIELCh	86, 106.850, 130.692
Yxy	67.9871, 0.3261, 0.5756
Android (android.graphics.Color)	4285199377 (0xFF6AF411)
YUV	176.8600, -78.8110, -62.1442
Hunter-Lab	82.4543, -60.9226, 49.3679

Details

The CIELCh color **86, 106.850, 130.692** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **44, 115.693, 314.893**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 83.452, 127.441**, and **66, 94.045, 135.669** is the 20% darker color. If you saturate the color by 10%, you get **86, 109.389, 131.389**, and if you desaturate by 10%, it is **87, 101.240, 129.986**.

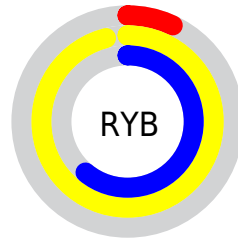
Distribution



Red (42%)

Green (96%)

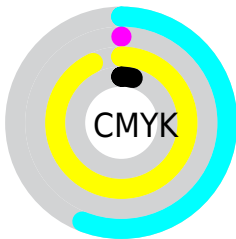
Blue (7%)



Red (7%)

Yellow (96%)

Blue (61%)

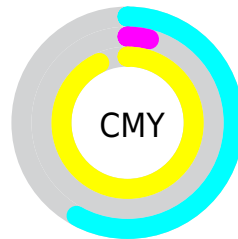


Cyan (56%)

Magenta (0%)

Yellow (93%)

Black (4%)



Cyan (58%)


Magenta (4%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 106.850, 130.692 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 86, 106.850, 130.692 by changing the saturation by 10% instead.


 86, 106.850,
130.692


 86, 106.850,
130.692


 100, 106.850,
130.692


 76, 106.850,
130.692

 66, 106.850,
130.692

 56, 106.850,
130.692

 46, 106.850,
130.692

 36, 106.850,
130.692

 26, 106.850,
130.692

 16, 106.850,

130.692

■ 6, 106.850,
130.692

■ 0, 106.850,
130.692

■ 86, 106.850,
130.692

■ 86, 106.850,
130.692

■ 86, 109.389,
131.389

■ 87, 101.240,
129.986

■ 87, 93.079,
129.745

■ 88, 82.845,
129.860

■ 89, 71.133,
130.199

■ 90, 58.459,
130.655

■ 91, 45.202,
131.156

■ 93, 31.635,
131.658

■ 94, 17.944,
132.138

■ 96, 4.266, 132.608

Harmonies

Complementary

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



86, 106.850, 130.692



44, 115.693, 314.893

Rectangle

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



86, 106.850, 130.692



86, 106.850, 180.692



86, 106.850, 310.692



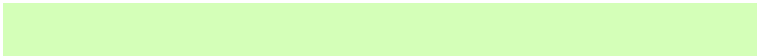
86, 106.850, 0.692

Sweetspot

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



86, 106.850, 130.693



96, 39.610, 131.412



71, 77.913, 70.713



50, 27.309, 131.194



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 106.850, 130.693



89, 113.051, 131.423



85, 111.304, 137.354



50, 7.766, 132.307



67, 88.953, 131.137



21, 37.642, 130.096

Inverse Universe

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



44, 115.693, 314.893



44, 122.183, 314.370



57, 102.558, 332.413



48, 7.850, 313.082



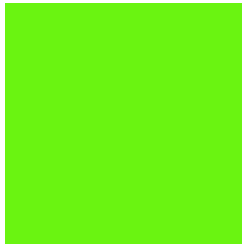
32, 96.298, 314.579



6, 41.649, 315.678

Previews

White Background



This preview shows how the CIELCh color 86, 106.850, 130.692 looks on a white background.

Color Contrast Check

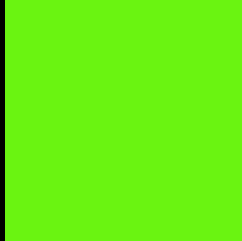
Large Text (above 18pt) WCAG AA × Fail

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 86, 106.850, 130.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

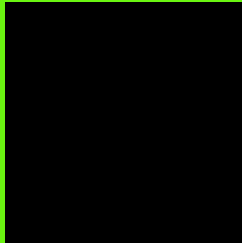
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 106.850, 130.692

Background



This preview shows how black text looks on a background with the CIELCh color 86, 106.850, 130.692.



This preview shows how white text looks on a background with the CIELCh color 86, 106.850,

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

86, 106.757, 130.722

Protanopia

85, 85.781, 94.938

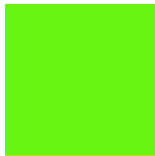
Deuteranopia

85, 47.442, 80.064



Tritanopia
86, 26.844, 218.653

Trichromacy



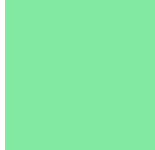
Original Color
86, 106.757, 130.722



Protanomaly
85, 88.999, 111.894

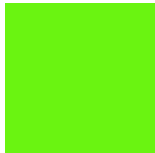


Deuteranomaly
84, 66.365, 111.051

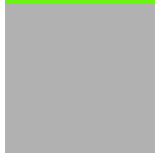


Tritanomaly
85, 51.855, 150.669

Monochromacy



Original Color
86, 106.757, 130.722



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 47.345, 130.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 106.850, 130.692 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(106, 244, 17)` looks like.

```
.text, #text, p{  
    color:rgb(106, 244, 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(106, 244, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 244, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 106.850, 130.692 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(106, 244, 17) }
```

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

```
.border{ border-color:rgb(106, 244, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 244, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 244, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 244, 17);  
box-shadow:4px 4px 4px 4px rgb(106, 244,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 106.850, 130.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 244, 17) }
```

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

```
.background{ background-color: rgb(106,  
244, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor