

Converting Colors

CIELCh(87, 114.168, 135.078)

Have a look what the booklet for
CIELCh(87, 114.168, 135.078)
contains.

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Color

CIELCh(87, 114.116, 135.056)

Conversions

Conversions Part 1

Format	Color
Hex	3AFB17
RGB	58, 251, 23
RGB Percent	23%, 98%, 9%
CMY	0.7720, 0.0154, 0.9091
CMYK	0.77, 0.00, 0.91, 0.02
HSL	111°, 97%, 54%
HSV	111°, 91%, 98%
XYZ	36.4289, 70.0064, 12.4114
YIQ	167.3010, -41.8400, -111.8240

Conversions

Conversions Part 2

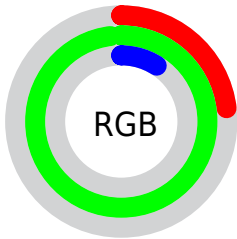
Format	Color
RYB	23, 251, 216
Decimal	3865367
CIELab	87.00, -80.77, 80.61
CIElCh	87, 114.116, 135.056
Yxy	70.0064, 0.3065, 0.5890
Android (android.graphics.Color)	4282055447 (0xFF3AFB17)
YUV	167.3010, -71.1404, -95.8570
Hunter-Lab	83.6698, -68.7053, 49.7739

Details

The CIELCh color **87, 114.116, 135.056** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **54, 113.295, 322.625**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 87.561, 133.940**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 117.200, 135.282**, and if you desaturate by 10%, it is **87, 108.044, 135.121**.

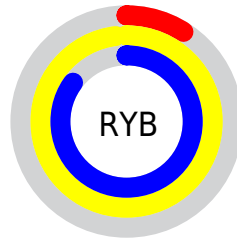
Distribution



Red (23%)

Green (98%)

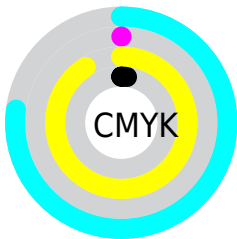
Blue (9%)



Red (9%)

Yellow (98%)

Blue (85%)

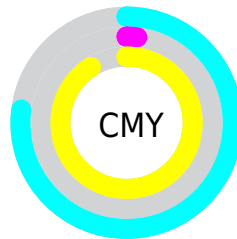


Cyan (77%)

Magenta (0%)

Yellow (91%)

Black (2%)



Cyan (77%)


Magenta (2%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 114.116, 135.056 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 87, 114.116, 135.056 by changing the saturation by 10% instead.


 87, 114.116,
135.056


 87, 114.116,
135.056


 100, 114.116,
135.056


 77, 114.116,
135.056


 67, 114.116,
135.056

 57, 114.116,
135.056

 47, 114.116,
135.056

 37, 114.116,
135.056

 27, 114.116,
135.056

 17, 114.116,

135.056

■ 7, 114.116,
135.056

■ 0, 114.116,
135.056

■ 87, 114.116,
135.056

■ 87, 114.116,
135.056

■ 87, 117.200,
135.282

■ 87, 108.044,
135.121

■ 88, 99.086,
135.542

■ 89, 87.816,
136.194

■ 90, 74.889,
136.948

■ 91, 60.869,
137.713

■ 93, 46.194,
138.435

■ 94, 31.194,
139.089

■ 96, 16.115,
139.671

■ 98, 1.134, 140.383

Harmonies

Complementary

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



87, 114.116, 135.056



54, 113.295, 322.625

Rectangle

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



87, 114.116, 135.056



87, 114.116, 185.056



87, 114.116, 315.056



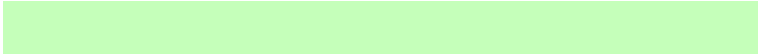
87, 114.116, 5.056

Sweetspot

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



87, 114.115, 135.057



95, 41.076, 138.689



86, 84.018, 91.640



50, 27.662, 138.458



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 114.115, 135.057



88, 118.594, 135.288



87, 97.675, 143.674



51, 8.467, 139.740



67, 94.400, 135.153



22, 41.248, 134.849

Inverse Universe

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



54, 113.295, 322.625



54, 117.074, 322.263



56, 88.755, 345.804



49, 8.506, 320.608



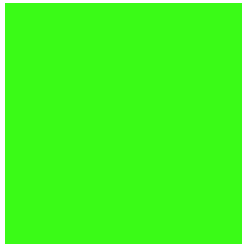
40, 93.325, 322.365



10, 42.127, 323.076

Previews

White Background



This preview shows how the CIELCh color 87, 114.116, 135.056 looks on a white background.

Color Contrast Check

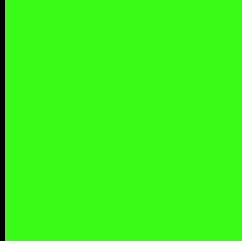
Large Text (above 18pt) WCAG AA × Fail

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 87, 114.116, 135.056 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 87, 114.116, 135.056

Background



This preview shows how black text looks on a background with the CIELCh color 87, 114.116, 135.056.



This preview shows how white text looks on a background with the CIELCh color 87, 114.116, 135.056.

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


87, 114.116, 135.056

Protanopia

86, 86.367, 95.006

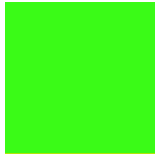
Deuteranopia

86, 43.488, 80.036



Tritanopia
87, 33.805, 214.730

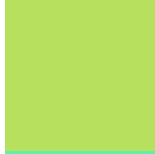
Trichromacy



Original Color
87, 114.116, 135.056



Protanomaly
85, 91.854, 116.708

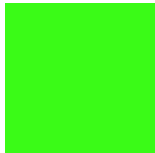


Deuteranomaly
84, 66.526, 119.312



Tritanomaly
86, 59.356, 157.167

Monochromacy



Original Color
87, 114.116, 135.056



Achromatopsia
68, 0.008, 296.813



Achromatomaly
74, 51.725, 137.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 114.116, 135.056 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(58, 251, 23)` looks like.

```
.text, #text, p{  
    color:rgb(58, 251, 23)  
}
```

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(58, 251, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 251, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 114.116, 135.056 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(58, 251, 23) }
```

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

```
.border{ border-color:rgb(58, 251, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 251, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 251, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 251, 23);  
box-shadow:4px 4px 4px 4px rgb(58, 251,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 114.116, 135.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 251, 23) }
```

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

```
.background{ background-color: rgb(58, 251,  
23) }
```

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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