

Converting Colors

CIELCh(86, 113.065, 135.639)

Have a look what the booklet for
CIELCh(86, 113.065, 135.639)
contains.

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Color

CIELCh(86, 112.948, 135.647)

Conversions

Conversions Part 1

Format	Color
Hex	32F81C
RGB	50, 248, 28
RGB Percent	20%, 97%, 11%
CMY	0.8029, 0.0269, 0.8892
CMYK	0.80, 0.00, 0.89, 0.03
HSL	114°, 94%, 54%
HSV	114°, 89%, 97%
XYZ	35.1496, 67.9871, 12.3845
YIQ	163.7180, -47.3880, -110.3960

Conversions

Conversions Part 2

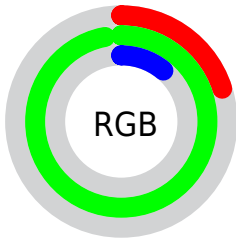
Format	Color
R _Y B	28, 248, 226
Decimal	3340316
CIE Lab	86.00, -80.76, 78.96
CIE LCh	86, 112.948, 135.647
Yxy	67.9871, 0.3043, 0.5885
Android (android.graphics.Color)	4281530396 (0xFF32F81C)
YUV	163.7180, -66.9090, -99.7307
Hunter-Lab	82.4543, -68.2019, 48.8128

Details

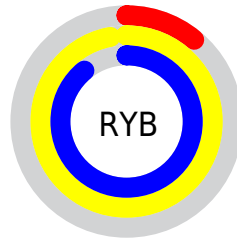
The CIELCh color **86, 112.948, 135.647** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **56, 110.986, 324.549**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.999, 134.855**, and **67, 96.005, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **86, 116.399, 135.654**, and if you desaturate by 10%, it is **86, 106.472, 135.993**.

Distribution



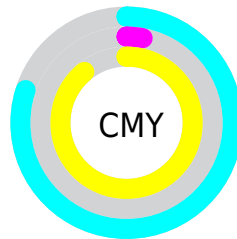
- Red (20%)
- Green (97%)
- Blue (11%)



- Red (11%)
- Yellow (97%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (89%)
- Black (3%)





- Cyan (80%)
- Magenta (3%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 112.948, 135.647 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, 112.948, 135.647 by changing the saturation by 10% instead.


 86, 112.948,
135.647


 86, 112.948,
135.647


 100, 112.948,
135.647


 76, 112.948,
135.647


 66, 112.948,
135.647

 56, 112.948,
135.647

 46, 112.948,
135.647

 36, 112.948,
135.647

 26, 112.948,
135.647

 16, 112.948,

135.647

■ 6, 112.948,
135.647

■ 0, 112.948,
135.647

■ 86, 112.948,
135.647

■ 86, 112.948,
135.647

■ 86, 116.399,
135.654

■ 86, 106.472,
135.993

■ 86, 116.740,
135.651

■ 87, 97.142,
136.648

■ 88, 85.564,
137.477

■ 89, 72.384,
138.357

■ 90, 58.149,
139.209

■ 92, 43.293,
139.988

■ 94, 28.147,
140.680

■ 96, 12.959,
141.288

■ 98, 2.090, 321.647

Harmonies

Complementary

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



86, 112.948, 135.647



56, 110.986, 324.549

Rectangle

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



86, 112.948, 135.647



86, 112.948, 185.647



86, 112.948, 315.647



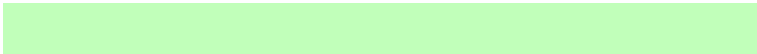
86, 112.948, 5.647

Sweetspot

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



86, 112.947, 135.648



94, 41.781, 140.102



88, 85.090, 95.594



50, 28.134, 139.850



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, 112.947, 135.648



88, 119.190, 135.658



86, 91.450, 146.020



51, 8.611, 141.237



67, 94.921, 135.561



22, 41.658, 135.618

Inverse Universe

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



56, 110.986, 324.549



56, 116.368, 324.279



56, 85.227, 348.933



49, 8.640, 322.158



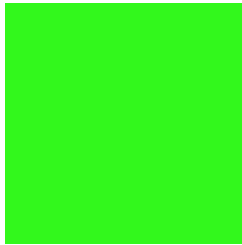
42, 92.778, 324.348



10, 41.928, 324.827

Previews

White Background



This preview shows how the CIELCh color 86, 112.948, 135.647 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, 112.948, 135.647 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, 112.948, 135.647

Background



This preview shows how black text looks on a background with the CIELCh color 86, 112.948, 135.647.

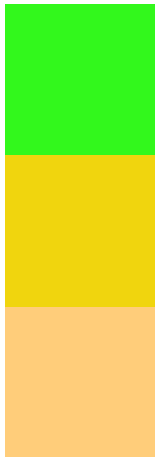


This preview shows how white text looks on a background with the CIELCh color 86, 112.948, 135.647.

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

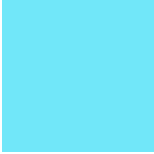
86, 112.948, 135.647

Protanopia

85, 84.240, 94.894

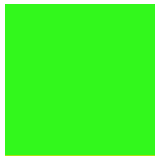
Deuteranopia

85, 48.353, 80.456



Tritanopia
86, 34.109, 213.627

Trichromacy



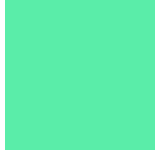
Original Color
86, 112.948, 135.647



Protanomaly
83, 90.159, 117.582

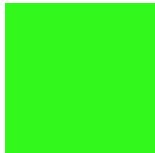


Deuteranomaly
83, 67.694, 118.626



Tritanomaly
85, 58.750, 158.464

Monochromacy



Original Color
86, 112.948, 135.647



Achromatopsia
67, 0.008, 296.813



Achromatomaly
73, 50.729, 139.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 112.948, 135.647 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(50, 248, 28)` looks like.

```
.text, #text, p{  
    color:rgb(50, 248, 28)  
}
```

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(50, 248, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 248, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 112.948, 135.647 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(50, 248, 28) }
```

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

```
.border{ border-color:rgb(50, 248, 28) }
```

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

Here you see how a box with a 4 pixel rgb(50, 248, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 248, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 248, 28);  
box-shadow:4px 4px 4px 4px rgb(50, 248,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 112.948, 135.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 248, 28) }
```

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

```
.background{ background-color: rgb(50, 248,  
28) }
```

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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