

Converting Colors

CIELCh(86, 81.010, 147.846)

Have a look what the booklet for
CIELCh(86, 81.010, 147.846)
contains.

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Color

CIELCh(86, 81.107, 147.864)

Conversions

Conversions Part 1

Format	Color
Hex	42F581
RGB	66, 245, 129
RGB Percent	26%, 96%, 51%
CMY	0.7417, 0.0396, 0.4944
CMYK	0.73, 0.00, 0.47, 0.04
HSL	141°, 90%, 61%
HSV	141°, 73%, 96%
XYZ	38.8205, 67.9871, 31.8176
YIQ	178.2550, -69.4480, -74.0240

Conversions

Conversions Part 2

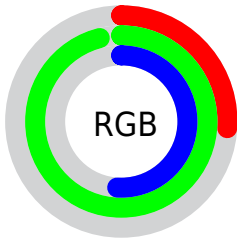
Format	Color
RYB	66, 198, 245
Decimal	4388225
CIELab	86.00, -68.68, 43.14
CIELCh	86, 81.107, 147.864
Yxy	67.9871, 0.2800, 0.4904
Android (android.graphics.Color)	4282578305 (0xFF42F581)
YUV	178.2550, -24.2827, -98.4476
Hunter-Lab	82.4543, -60.2549, 34.8391

Details

The CIELCh color **86, 81.107, 147.864** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **59, 79.566, 343.778**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 54.645, 153.613**, and **67, 76.837, 145.110** is the 20% darker color. If you saturate the color by 10%, you get **85, 89.061, 145.950**, and if you desaturate by 10%, it is **87, 72.007, 149.587**.

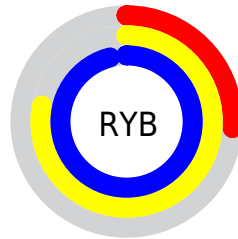
Distribution



Red (26%)

Green (96%)

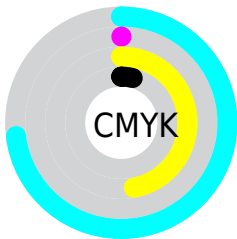
Blue (51%)



Red (26%)

Yellow (78%)

Blue (96%)

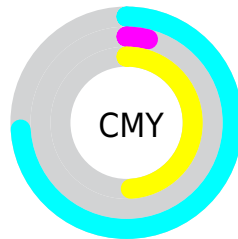


Cyan (73%)

Magenta (0%)

Yellow (47%)

Black (4%)



Cyan (74%)

Magenta (4%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 81.107, 147.864 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, 81.107, 147.864 by changing the saturation by 10% instead.


 86, 81.107,
147.864


 86, 81.107,
147.864


 100, 81.107,
147.864


 76, 81.107,
147.864

 66, 81.107,
147.864

 56, 81.107,
147.864

 46, 81.107,
147.864

 36, 81.107,
147.864


 26, 81.107,
147.864


 16, 81.107,


147.864

 6, 81.107, 147.864


 0, 81.107, 147.864


 86, 81.107,
147.864


 86, 81.107,
147.864

 85, 89.061,
145.950


 87, 72.007,
149.587

 85, 95.799,
143.889

 88, 61.906,
151.110

 85, 99.806,
142.461

 89, 51.005,
152.441

 90, 39.528,
153.601

 92, 27.691,

154.613

■ 94, 15.692,
155.505

■ 96, 3.693, 156.364

■ 98, 6.281, 324.611

Harmonies

Complementary

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



86, 81.107, 147.864



59, 79.566, 343.778

Rectangle

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



86, 81.107, 147.864



86, 81.107, 197.864



86, 81.107, 327.864



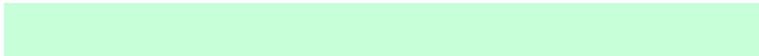
86, 81.107, 17.864

Sweetspot

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



86, 81.108, 147.864



95, 27.250, 154.712



90, 86.697, 120.573



50, 18.302, 154.454



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, 81.108, 147.864



88, 95.516, 144.916



88, 50.181, 179.860



50, 6.794, 155.806



66, 80.528, 142.846



21, 33.239, 146.217

Inverse Universe

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



59, 79.566, 343.778



57, 88.389, 346.560



56, 73.387, 21.213



48, 6.839, 337.125



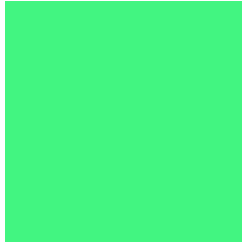
41, 70.639, 348.921



9, 32.280, 345.311

Previews

White Background



This preview shows how the CIE LCh color 86, 81.107, 147.864 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, 81.107, 147.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

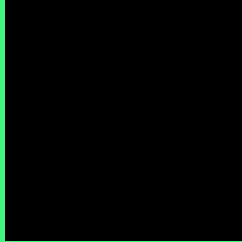
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 81.107, 147.864

Background



This preview shows how black text looks on a background with the CIELCh color 86, 81.107, 147.864.

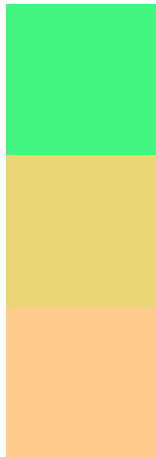


This preview shows how white text looks on a background with the CIELCh color 86, 81.107, 147.864.

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

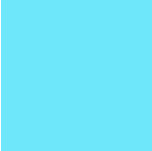
86, 81.107, 147.864

Protanopia

85, 49.946, 95.736

Deuteranopia

85, 39.088, 74.627



Tritanopia
86, 34.708, 214.234

Trichromacy



Original Color
86, 81.107, 147.864



Protanomaly
84, 56.707, 126.908



Deuteranomaly
83, 44.227, 123.695



Tritanomaly
85, 45.393, 175.999

Monochromacy



Original Color
86, 81.107, 147.864



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 32.842, 153.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 81.107, 147.864 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(66, 245, 129)` looks like.

```
.text, #text, p{  
    color:rgb(66, 245, 129)  
}
```

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(66, 245, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 245, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 81.107, 147.864 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(66, 245, 129) }
```

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

```
.border{ border-color:rgb(66, 245, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 245, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 245, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 245, 129);  
box-shadow:4px 4px 4px 4px rgb(66, 245,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 81.107, 147.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 245, 129) }
```

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

```
.background{ background-color: rgb(66, 245,  
129) }
```

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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