

Converting Colors

CIELCh(86, 86.342, 145.193)

Have a look what the booklet for
CIELCh(86, 86.342, 145.193)
contains.

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Color

CIELCh(86, 86.066, 145.255)

Conversions

Conversions Part 1

Format	Color
Hex	42F574
RGB	66, 245, 116
RGB Percent	26%, 96%, 45%
CMY	0.7426, 0.0375, 0.5435
CMYK	0.73, 0.00, 0.53, 0.04
HSL	137°, 90%, 61%
HSV	137°, 73%, 96%
XYZ	38.1837, 67.9871, 27.7549
YIQ	176.7730, -65.2750, -78.0670

Conversions

Conversions Part 2

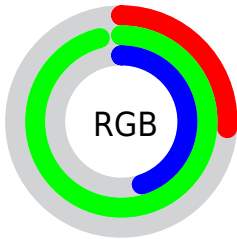
Format	Color
RYB	66, 206, 245
Decimal	4388212
CIELab	86.00, -70.72, 49.05
CIELCh	86, 86.066, 145.255
Yxy	67.9871, 0.2851, 0.5076
Android (android.graphics.Color)	4282578292 (0xFF42F574)
YUV	176.7730, -29.9611, -97.1479
Hunter-Lab	82.4543, -61.6336, 37.7604

Details

The CIELCh color **86, 86.066, 145.255** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **59, 83.274, 339.838**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 59.662, 149.214**, and **66, 81.784, 142.312** is the 20% darker color. If you saturate the color by 10%, you get **85, 94.387, 143.433**, and if you desaturate by 10%, it is **87, 76.450, 146.919**.

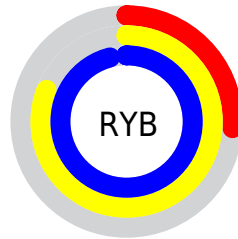
Distribution



Red (26%)

Green (96%)

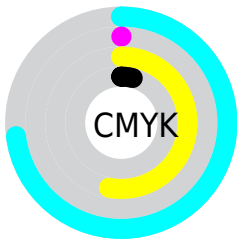
Blue (45%)



Red (26%)

Yellow (81%)

Blue (96%)

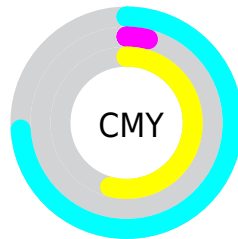


Cyan (73%)

Magenta (0%)

Yellow (53%)

Black (4%)



Cyan (74%)


Magenta (4%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 86.066, 145.255 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, 86.066, 145.255 by changing the saturation by 10% instead.


 86, 86.066,
145.255


 86, 86.066,
145.255


 100, 86.066,
145.255


 76, 86.066,
145.255

 66, 86.066,
145.255

 56, 86.066,
145.255

 46, 86.066,
145.255

 36, 86.066,
145.255


 26, 86.066,
145.255


 16, 86.066,


145.255


 6, 86.066, 145.255


 0, 86.066, 145.255

 86, 86.066,
145.255


 86, 86.066,
145.255

 85, 94.387,
143.433


 87, 76.450,
146.919

 85, 101.282,
141.517

 88, 65.736,
148.400

 85, 105.155,
140.262

 89, 54.163,
149.696

 90, 41.985,
150.823

 92, 29.445,

151.800

■ 94, 16.754,
152.653

■ 96, 4.087, 153.458

■ 98, 5.951, 324.597

Harmonies

Complementary

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



86, 86.066, 145.255



59, 83.274, 339.838

Rectangle

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



86, 86.066, 145.255



86, 86.066, 195.255



86, 86.066, 325.255



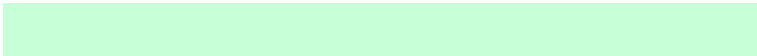
86, 86.066, 15.255

Sweetspot

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



86, 86.067, 145.255



95, 28.731, 151.909



91, 85.291, 116.926



50, 19.302, 151.661



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, 86.067, 145.255



88, 100.840, 142.496



88, 54.549, 172.176



50, 7.155, 152.950



66, 84.756, 140.610



21, 35.078, 143.758

Inverse Universe

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



59, 83.274, 339.838



58, 92.219, 341.898



57, 71.943, 14.712



48, 7.189, 334.190



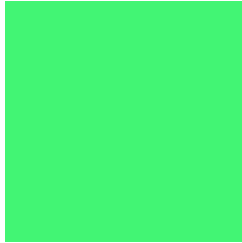
41, 73.703, 343.610



10, 33.616, 341.032

Previews

White Background



This preview shows how the CIE LCh color 86, 86.066, 145.255 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, 86.066, 145.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

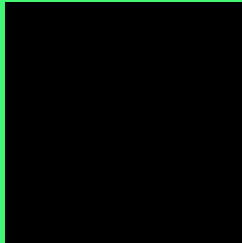
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

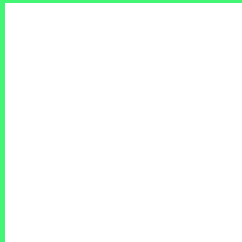
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 86.066, 145.255

Background



This preview shows how black text looks on a background with the CIELCh color 86, 86.066, 145.255.

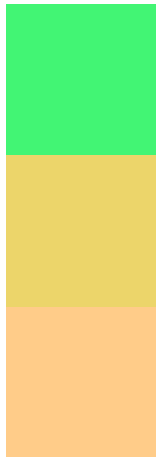


This preview shows how white text looks on a background with the CIELCh color 86, 86.066, 145.255.

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, 85.964, 145.187

Protanopia

85, 55.231, 95.281

Deuteranopia

85, 41.336, 76.178



Tritanopia
86, 34.339, 214.441

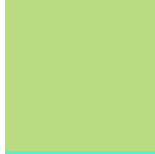
Trichromacy



Original Color
86, 85.964, 145.187



Protanomaly
84, 61.384, 124.645



Deuteranomaly
83, 47.534, 122.307

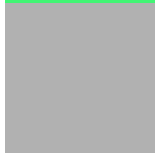


Tritanomaly
85, 46.639, 173.032

Monochromacy



Original Color
86, 85.964, 145.187



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 34.850, 150.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 86.066, 145.255 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(66, 245, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 245, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 86.066, 145.255 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, 116) }
```

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

```
.border{ border-color:rgb(66, 245, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 245, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 245, 116);  
box-shadow:4px 4px 4px 4px rgb(66, 245,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 86.066, 145.255 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, 116) }
```

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

```
.background{ background-color: rgb(66, 245,  
116) }
```

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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