

Converting Colors

CIELCh(86, 57.940, 116.851)

Have a look what the booklet for
CIELCh(86, 57.940, 116.851)
contains.

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Color

CIELCh(86, 58.379, 117.029)

Conversions

Conversions Part 1

Format	Color
Hex	C6E371
RGB	198, 227, 113
RGB Percent	78%, 89%, 44%
CMY	0.2244, 0.1106, 0.5576
CMYK	0.13, 0.00, 0.50, 0.11
HSL	75°, 67%, 67%
HSV	75°, 50%, 89%
XYZ	53.6135, 67.9871, 25.8617
YIQ	205.3330, 19.3100, -41.6020

Conversions

Conversions Part 2

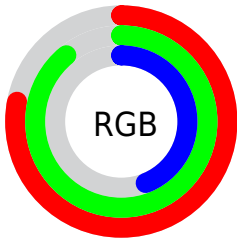
Format	Color
RYB	113, 227, 142
Decimal	13034353
CIELab	86.00, -26.53, 52.00
CIELCh	86, 58.379, 117.029
Yxy	67.9871, 0.3636, 0.4610
Android (android.graphics.Color)	4291224433 (0xFFC6E371)
YUV	205.3330, -45.5202, -6.4310
Hunter-Lab	82.4543, -28.2307, 39.1218

Details

The CIELCh color **86, 58.379, 117.029** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55, 65.755, 304.335**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 43.988, 106.817**, and **66, 58.738, 117.091** is the 20% darker color. If you saturate the color by 10%, you get **85, 68.569, 116.606**, and if you desaturate by 10%, it is **87, 47.398, 117.575**.

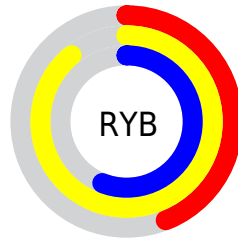
Distribution



Red (78%)

Green (89%)

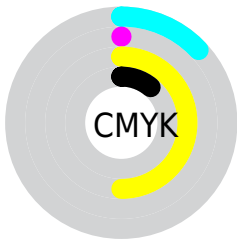
Blue (44%)



Red (44%)

Yellow (89%)

Blue (56%)

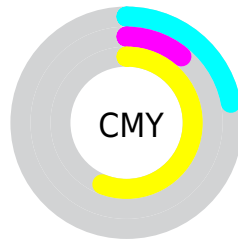


Cyan (13%)

Magenta (0%)

Yellow (50%)

Black (11%)



Cyan (22%)

Magenta (11%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 58.379, 117.029 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, 58.379, 117.029 by changing the saturation by 10% instead.

■ 86, 58.379,
117.029

■ 86, 58.379,
117.029

■ 100, 58.379,
117.029

■ 76, 58.379,
117.029

■ 66, 58.379,
117.029

■ 56, 58.379,
117.029

■ 46, 58.379,
117.029

■ 36, 58.379,
117.029


■ 26, 58.379,
117.029


■ 16, 58.379,


117.029


 6, 58.379, 117.029


 0, 58.379, 117.029


 86, 58.379,
117.029

 86, 58.379,
117.029


 85, 68.569,
116.606


 87, 47.398,
117.575

 85, 77.532,
116.381

 87, 35.927,
118.182

 84, 84.731,
116.456

 88, 24.171,
118.815

 84, 89.670,
116.932

 89, 12.265,
119.449

 84, 92.398,

 90, 0.301, 120.179

117.777

■ 91, 11.657,
300.651

■ 92, 15.193,
306.203

■ 92, 15.831,
313.224

■ 93, 16.686,
319.685

Harmonies

Complementary

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



86, 58.379, 117.029



55, 65.755, 304.335

Rectangle

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



86, 58.379, 117.029



86, 58.379, 167.029



86, 58.379, 297.029



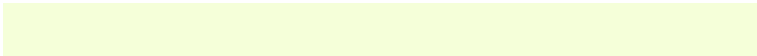
86, 58.379, 347.029

Sweetspot

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



86, 58.380, 117.031



98, 19.706, 119.144



67, 41.246, 44.333



52, 13.438, 119.009



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, 58.380, 117.031



95, 75.057, 116.602



83, 66.413, 134.556



47, 6.729, 119.501



66, 76.340, 117.558



18, 28.753, 117.539

Inverse Universe

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



55, 65.755, 304.335



54, 87.268, 305.424



61, 68.267, 319.387



43, 6.864, 300.687



23, 98.993, 307.812



3, 32.160, 302.011

Previews

White Background



This preview shows how the CIELCh color 86, 58.379, 117.029 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, 58.379, 117.029 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, 58.379, 117.029

Background



This preview shows how black text looks on a background with the CIELCh color 86, 58.379, 117.029.



This preview shows how white text looks on a background with the CIELCh color 86, 58.379, 117.029.

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](#).

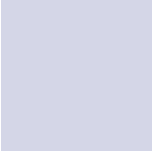
Dichromacy



Original Color
86, 58.379, 117.029

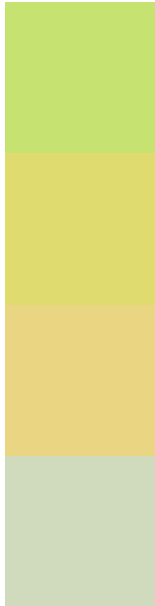
Protanopia
86, 54.631, 95.733

Deuteranopia
86, 40.340, 76.920



Tritanopia
86, 8.943, 286.471

Trichromacy



Original Color
86, 58.379, 117.029

Protanomaly
86, 55.033, 103.719

Deuteranomaly
86, 44.070, 95.595

Tritanomaly
86, 16.810, 124.321

Monochromacy



Original Color
86, 58.379, 117.029

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 22.384, 119.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 58.379, 117.029 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(198, 227, 113)` looks like.

```
.text, #text, p{  
    color:rgb(198, 227, 113)  
}
```

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(198, 227, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 227, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 58.379, 117.029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

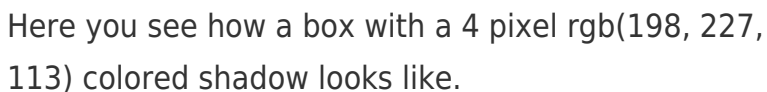
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 227, 113) }
```

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

```
.border{ border-color:rgb(198, 227, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 227, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 227, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 227, 113); box-shadow:4px 4px 4px 4px rgb(198, 227, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 58.379, 117.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 227, 113) }
```

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

```
.background{ background-color: rgb(198,  
227, 113) }
```

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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