

Converting Colors

CIELCh(86, 57.575, 118.414)

Have a look what the booklet for
CIELCh(86, 57.575, 118.414)
contains.

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Color

CIELCh(86, 57.311, 118.540)

Conversions

Conversions Part 1

Format	Color
Hex	C3E374
RGB	195, 227, 116
RGB Percent	76%, 89%, 45%
CMY	0.2343, 0.1087, 0.5441
CMYK	0.14, 0.00, 0.49, 0.11
HSL	77°, 67%, 67%
HSV	77°, 49%, 89%
XYZ	53.2825, 67.9871, 26.9129
YIQ	204.7780, 16.5590, -41.3050

Conversions

Conversions Part 2

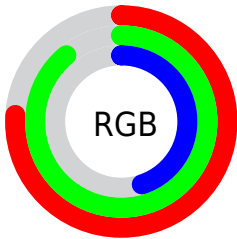
Format	Color
RYB	116, 227, 148
Decimal	12837748
CIELab	86.00, -27.38, 50.35
CIElCh	86, 57.311, 118.540
Yxy	67.9871, 0.3596, 0.4588
Android (android.graphics.Color)	4291027828 (0xFFC3E374)
YUV	204.7780, -43.7676, -8.5753
Hunter-Lab	82.4543, -28.9471, 38.3659

Details

The CIELCh color **86, 57.311, 118.540** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **57, 63.964, 305.169**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 42.543, 107.979**, and **66, 57.436, 118.788** is the 20% darker color. If you saturate the color by 10%, you get **85, 67.743, 118.130**, and if you desaturate by 10%, it is **87, 46.144, 119.066**.

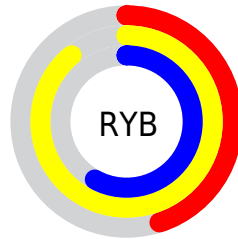
Distribution



Red (76%)

Green (89%)

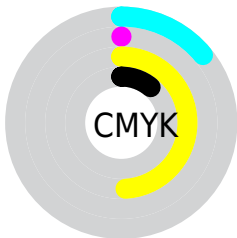
Blue (45%)



Red (45%)

Yellow (89%)

Blue (58%)

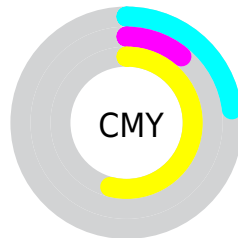


Cyan (14%)

Magenta (0%)

Yellow (49%)

Black (11%)



Cyan (23%)


Magenta (11%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 57.311, 118.540 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, 57.311, 118.540 by changing the saturation by 10% instead.


 86, 57.311,
118.540


 86, 57.311,
118.540


 100, 57.311,
118.540


 76, 57.311,
118.540

 66, 57.311,
118.540

 56, 57.311,
118.540

 46, 57.311,
118.540

 36, 57.311,
118.540


 26, 57.311,
118.540


 16, 57.311,


118.540

 6, 57.311, 118.540


 0, 57.311, 118.540

 86, 57.311,
118.540

 86, 57.311,
118.540


 85, 67.743,
118.130


 87, 46.144,
119.066


 85, 77.024,
117.909

 88, 34.526,
119.648

 84, 84.628,
117.984

 88, 22.650,
120.250

 84, 90.039,
118.463

 89, 10.647,
120.850

 83, 93.168,

 90, 1.396, 301.391

119.382

92, 13.419,
301.974

83, 93.471,
119.496

92, 15.198,
309.544

93, 16.061,
317.313

93, 17.188,
324.265

Harmonies

Complementary

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



86, 57.311, 118.540



57, 63.964, 305.169

Rectangle

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



86, 57.311, 118.540



86, 57.311, 168.540



86, 57.311, 298.540



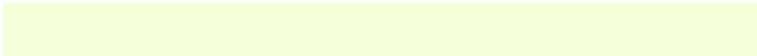
86, 57.311, 348.540

Sweetspot

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



86, 57.312, 118.542



98, 19.805, 120.477



69, 39.354, 47.468



52, 13.506, 120.349



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, 57.312, 118.542



95, 74.471, 118.112



83, 65.433, 135.529



48, 6.888, 120.814



67, 77.918, 119.271



19, 30.403, 118.849

Inverse Universe

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



57, 63.964, 305.169



56, 85.714, 306.189



62, 66.870, 320.376



44, 7.021, 301.932



24, 99.530, 308.199



3, 34.424, 303.873

Previews

White Background



This preview shows how the CIELCh color 86, 57.311, 118.540 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, 57.311, 118.540 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, 57.311, 118.540

Background



This preview shows how black text looks on a background with the CIELCh color 86, 57.311, 118.540.

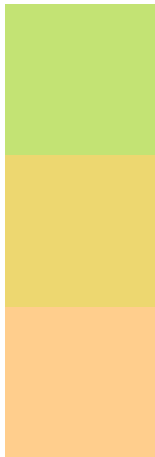


This preview shows how white text looks on a background with the CIELCh color 86, 57.311, 118.540.

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, 57.311, 118.540

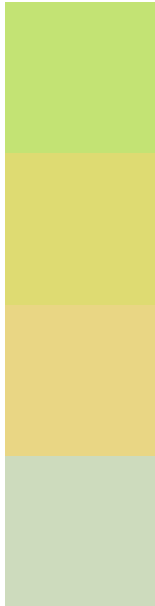
Protanopia
86, 53.246, 95.622

Deuteranopia
86, 39.887, 76.624



Tritanopia
86, 9.012, 282.068

Trichromacy



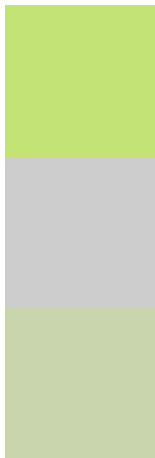
Original Color
86, 57.311, 118.540

Protanomaly
86, 53.165, 104.271

Deuteranomaly
86, 43.011, 95.999

Tritanomaly
86, 16.542, 127.271

Monochromacy



Original Color
86, 57.311, 118.540

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 21.450, 120.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 57.311, 118.540 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(195, 227, 116)` looks like.

```
.text, #text, p{  
    color:rgb(195, 227, 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(195, 227, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 227, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 57.311, 118.540 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(195, 227, 116) }
```

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

```
.border{ border-color:rgb(195, 227, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 227, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 227, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 227, 116);  
box-shadow:4px 4px 4px 4px rgb(195, 227,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 57.311, 118.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 227, 116) }
```

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

```
.background{ background-color: rgb(195,  
227, 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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