

Converting Colors

CIELCh(87, 80.671, 119.680)

Have a look what the booklet for
CIELCh(87, 80.671, 119.680)
contains.

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Color

CIELCh(87, 80.671, 119.680)

Conversions

Conversions Part 1

Format	Color
Hex	B5EB47
RGB	181, 235, 71
RGB Percent	71%, 92%, 28%
CMY	0.2885, 0.0767, 0.7198
CMYK	0.23, 0.00, 0.70, 0.08
HSL	80°, 81%, 60%
HSV	80°, 70%, 92%
XYZ	50.1464, 70.0064, 16.9076
YIQ	200.1580, 20.4600, -62.4520

Conversions

Conversions Part 2

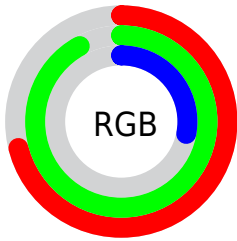
Format	Color
RYB	71, 235, 125
Decimal	11922247
CIELab	87.00, -39.94, 70.09
CIELCh	87, 80.671, 119.680
Yxy	70.0064, 0.3659, 0.5108
Android (android.graphics.Color)	4290112327 (0xFFB5EB47)
YUV	200.1580, -63.6749, -16.8016
Hunter-Lab	83.6698, -39.4406, 46.5878

Details

The CIELCh color **87, 80.671, 119.680** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **46, 94.765, 308.084**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 62.523, 110.941**, and **67, 78.530, 120.194** is the 20% darker color. If you saturate the color by 10%, you get **86, 88.452, 119.839**, and if you desaturate by 10%, it is **88, 71.122, 119.842**.

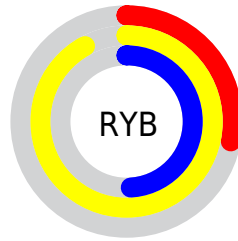
Distribution



Red (71%)

Green (92%)

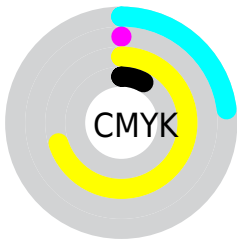
Blue (28%)



Red (28%)

Yellow (92%)

Blue (49%)

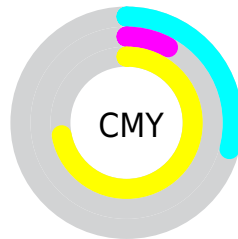


Cyan (23%)

Magenta (0%)

Yellow (70%)

Black (8%)



Cyan (29%)

Magenta (8%)


Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 80.671, 119.680 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 87, 80.671, 119.680 by changing the saturation by 10% instead.

 87, 80.671,
119.680

 87, 80.671,
119.680


 100, 80.671,
119.680

 77, 80.671,
119.680

 67, 80.671,
119.680

 57, 80.671,
119.680

 47, 80.671,
119.680

 37, 80.671,
119.680


 27, 80.671,
119.680


 17, 80.671,


119.680

 7, 80.671, 119.680


 0, 80.671, 119.680


 87, 80.671,
119.680


 87, 80.671,
119.680

 86, 88.452,
119.839


 88, 71.122,
119.842


 86, 93.945,
120.428


 88, 60.352,
120.208

 85, 97.162,
121.460


 89, 48.797,
120.694

 85, 97.260,
121.498


 90, 36.764,
121.241


 91, 24.461,

121.810

 92, 12.025,
122.377

 93, 0.449, 302.768

 94, 10.490,
306.251

 95, 11.515,
319.337

Harmonies

Complementary

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



87, 80.671, 119.680



46, 94.765, 308.084

Rectangle

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



87, 80.671, 119.680



87, 80.671, 169.680



87, 80.671, 299.680



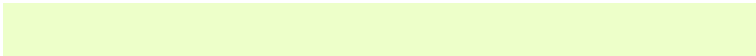
87, 80.671, 349.680

Sweetspot

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



87, 80.672, 119.682



98, 27.879, 121.728



64, 61.297, 50.141



52, 18.853, 121.569



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 80.672, 119.682



93, 97.036, 120.057



83, 92.343, 135.027



49, 7.059, 122.387



67, 79.748, 121.243



20, 32.110, 120.466

Inverse Universe

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



46, 94.765, 308.084



42, 118.505, 308.804



56, 93.588, 321.883



45, 7.189, 303.431



25, 99.878, 308.741



3, 36.796, 306.061

Previews

White Background



This preview shows how the CIELCh color 87, 80.671, 119.680 looks on a white background.

Color Contrast Check

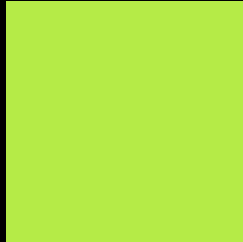
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 80.671, 119.680 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 87, 80.671, 119.680

Background



This preview shows how black text looks on a background with the CIELCh color 87, 80.671, 119.680.

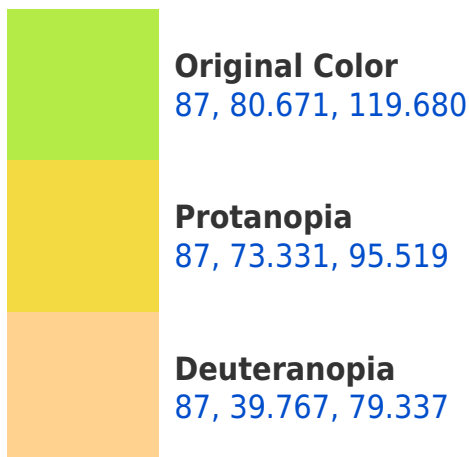


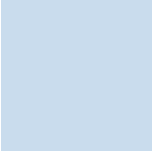
This preview shows how white text looks on a background with the CIELCh color 87, 80.671, 119.680.

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





Tritanopia
87, 10.860, 254.429

Trichromacy



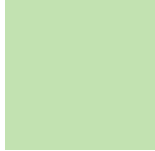
Original Color
87, 80.671, 119.680



Protanomaly
87, 73.929, 104.952



Deuteranomaly
86, 51.897, 101.603

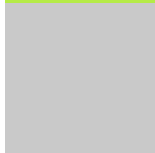


Tritanomaly
87, 28.197, 133.257

Monochromacy



Original Color
87, 80.671, 119.680



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 32.227, 121.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 80.671, 119.680 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(181, 235, 71)` looks like.

```
.text, #text, p{  
    color:rgb(181, 235, 71)  
}
```

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(181, 235, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 235, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 80.671, 119.680 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(181, 235, 71) }
```

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

```
.border{ border-color:rgb(181, 235, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 235, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 235, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 235, 71);  
box-shadow:4px 4px 4px 4px rgb(181, 235,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 80.671, 119.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 235, 71) }
```

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

```
.background{ background-color: rgb(181,  
235, 71) }
```

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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