

Converting Colors

CIELCh(89, 85.707, 118.642)

Have a look what the booklet for
CIELCh(89, 85.707, 118.642)
contains.

CIELCh(89, 85.979, 118.677)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 85.979, 118.677)

Conversions

Conversions Part 1

Format	Color
Hex	BBF23E
RGB	187, 242, 62
RGB Percent	73%, 95%, 24%
CMY	0.2680, 0.0523, 0.7583
CMYK	0.23, 0.00, 0.75, 0.05
HSL	78°, 87%, 59%
HSV	78°, 75%, 95%
XYZ	52.9165, 74.1641, 16.0282
YIQ	205.0350, 25.0000, -67.6400

Conversions

Conversions Part 2

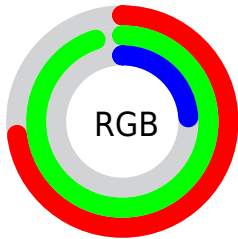
Format	Color
RYB	62, 242, 117
Decimal	12317246
CIELab	89.00, -41.26, 75.43
CIELCh	89, 85.979, 118.677
Yxy	74.1641, 0.3698, 0.5182
Android (android.graphics.Color)	4290507326 (0xFFBBF23E)
YUV	205.0350, -70.5163, -15.8167
Hunter-Lab	86.1186, -41.0263, 49.2481

Details

The CIELCh color **89, 85.979, 118.677** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **44, 103.214, 307.892**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 64.946, 108.071**, and **69, 80.801, 120.196** is the 20% darker color. If you saturate the color by 10%, you get **88, 92.726, 119.008**, and if you desaturate by 10%, it is **90, 77.132, 118.720**.

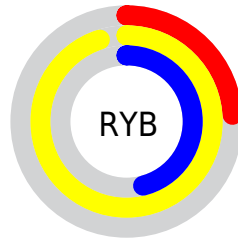
Distribution



Red (73%)

Green (95%)

Blue (24%)



Red (24%)

Yellow (95%)

Blue (46%)

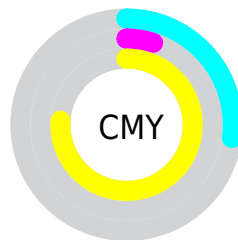


Cyan (23%)

Magenta (0%)

Yellow (75%)

Black (5%)



Cyan (27%)

Magenta (5%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 85.979, 118.677 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 89, 85.979, 118.677 by changing the saturation by 10% instead.

■ 89, 85.979,
118.677

■ 89, 85.979,
118.677

■ 100, 85.979,
118.677

■ 79, 85.979,
118.677

■ 69, 85.979,
118.677

■ 59, 85.979,
118.677

■ 49, 85.979,
118.677

■ 39, 85.979,
118.677

■ 29, 85.979,
118.677

■ 19, 85.979,

118.677

■ 9, 85.979, 118.677

■ 0, 85.979, 118.677

■ 89, 85.979,
118.677

■ 89, 85.979,
118.677

■ 88, 92.726,
119.008

■ 90, 77.132,
118.720

■ 88, 96.969,
119.802

■ 90, 66.761,
119.016

■ 88, 98.462,
120.393

■ 91, 55.379,
119.471

■ 92, 43.364,
120.012

■ 93, 30.975,

120.593

■ 94, 18.382,
121.184

■ 95, 5.702, 121.768

■ 96, 6.984, 302.303

■ 97, 7.956, 320.730

Harmonies

Complementary

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



89, 85.979, 118.677



44, 103.214, 307.892

Rectangle

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



89, 85.979, 118.677



89, 85.979, 168.677



89, 85.979, 298.677



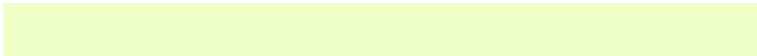
89, 85.979, 348.677

Sweetspot

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



89, 85.979, 118.679



98, 29.077, 120.737



63, 68.339, 48.747



52, 19.517, 120.577



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 85.979, 118.679



93, 99.010, 119.324



85, 98.578, 134.483



50, 7.157, 121.478



69, 79.996, 120.140



21, 33.255, 119.177

Inverse Universe

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



44, 103.214, 307.892



39, 123.478, 308.457



55, 100.092, 321.368



46, 7.293, 302.568



25, 101.360, 308.403



4, 38.806, 306.150

Previews

White Background



This preview shows how the CIELCh color 89, 85.979, 118.677 looks on a white background.

Color Contrast Check

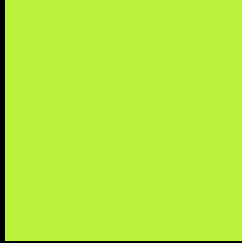
Large Text (above 18pt) WCAG AA × Fail

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 89, 85.979, 118.677 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 89, 85.979, 118.677

Background



This preview shows how black text looks on a background with the CIELCh color 89, 85.979, 118.677.



This preview shows how white text looks on a background with the CIELCh color 89, 85.979, 118.677.

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
89, 85.979, 118.677

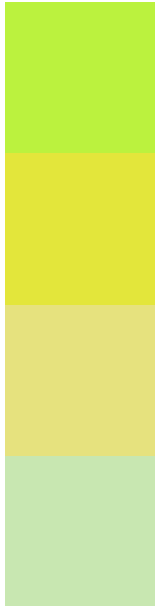
Protanopia
89, 78.518, 95.133

Deuteranopia
89, 32.074, 79.406



Tritanopia
89, 11.057, 257.493

Trichromacy



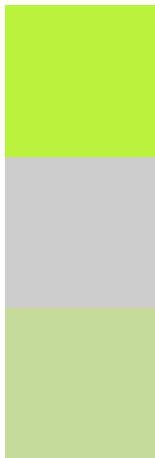
Original Color
89, 85.979, 118.677

Protanomaly
89, 79.374, 104.569

Deuteranomaly
88, 50.622, 104.078

Tritanomaly
88, 30.273, 130.566

Monochromacy



Original Color
89, 85.979, 118.677

Achromatopsia
82, 0.010, 296.813

Achromatomaly
84, 34.595, 120.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 85.979, 118.677 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(187, 242, 62)` looks like.

```
.text, #text, p{  
    color:rgb(187, 242, 62)  
}
```

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(187, 242, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 242, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 85.979, 118.677 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(187, 242, 62) }
```

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

```
.border{ border-color:rgb(187, 242, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 242, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 242, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 242, 62);  
box-shadow:4px 4px 4px 4px rgb(187, 242,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 85.979, 118.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 242, 62) }
```

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

```
.background{ background-color: rgb(187,  
242, 62) }
```

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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