

Converting Colors

CIELCh(85, 89.465, 114.623)

Have a look what the booklet for
CIELCh(85, 89.465, 114.623)
contains.

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Color

CIELCh(85, 89.377, 114.575)

Conversions

Conversions Part 1

Format	Color
Hex	B9E415
RGB	185, 228, 21
RGB Percent	73%, 89%, 8%
CMY	0.2736, 0.1050, 0.9195
CMYK	0.19, 0.00, 0.91, 0.10
HSL	72°, 83%, 49%
HSV	72°, 91%, 90%
XYZ	48.0008, 66.0070, 10.8971
YIQ	191.5450, 40.8190, -73.4930

Conversions

Conversions Part 2

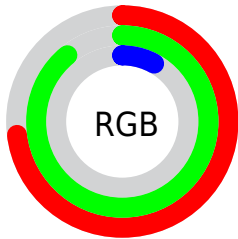
Format	Color
R _Y B	21, 228, 64
Decimal	12182549
CIE Lab	85.00, -37.17, 81.28
CIE LCh	85, 89.377, 114.575
Yxy	66.0070, 0.3843, 0.5285
Android (android.graphics.Color)	4290372629 (0xFFB9E415)
YUV	191.5450, -84.0787, -5.7400
Hunter-Lab	81.2447, -36.7174, 48.9189

Details

The CIELCh color **85, 89.377, 114.575** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **32, 116.239, 307.124**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 76.112, 107.466**, and **65, 75.208, 117.901** is the 20% darker color. If you saturate the color by 10%, you get **85, 91.672, 115.243**, and if you desaturate by 10%, it is **85, 84.768, 114.184**.

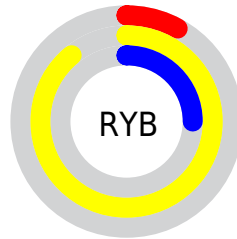
Distribution



Red (73%)

Green (89%)

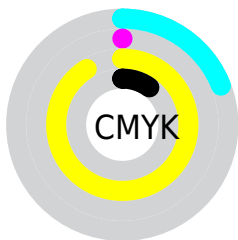
Blue (8%)



Red (8%)

Yellow (89%)

Blue (25%)

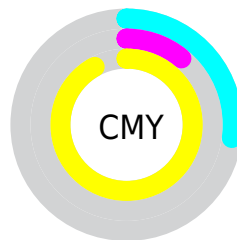


Cyan (19%)

Magenta (0%)

Yellow (91%)

Black (10%)



Cyan (27%)


Magenta (11%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 89.377, 114.575 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 85, 89.377, 114.575 by changing the saturation by 10% instead.


 85, 89.377,
114.575


 85, 89.377,
114.575


 100, 89.377,
114.575


 75, 89.377,
114.575

 65, 89.377,
114.575

 55, 89.377,
114.575

 45, 89.377,
114.575

 35, 89.377,
114.575

 25, 89.377,
114.575

 15, 89.377,

114.575

■ 5, 89.377, 114.575

■ 0, 89.377, 114.575

■ 85, 89.377,
114.575

■ 85, 89.377,
114.575

■ 85, 91.672,
115.243

■ 85, 84.768,
114.184

■ 86, 77.838,
114.169

■ 86, 69.073,
114.444

■ 87, 59.024,
114.913

■ 87, 48.137,

115.503

■ 88, 36.731,
116.158

■ 89, 25.018,
116.841

■ 90, 13.138,
117.527

■ 91, 1.186, 118.211

Harmonies

Complementary

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



85, 89.377, 114.575



32, 116.239, 307.124

Rectangle

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



85, 89.377, 114.575



85, 89.377, 164.575



85, 89.377, 294.575



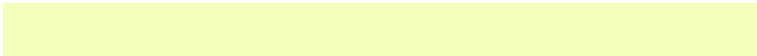
85, 89.377, 344.575

Sweetspot

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



85, 89.377, 114.577



98, 35.088, 116.418



52, 85.128, 43.164



52, 23.592, 116.185



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 89.377, 114.577



93, 99.721, 115.312



80, 102.958, 132.674



48, 6.815, 117.632



68, 76.217, 115.061



19, 29.872, 114.861

Inverse Universe

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



32, 116.239, 307.124



34, 131.943, 307.186



45, 107.181, 317.798



44, 6.957, 298.931



22, 100.736, 307.336



3, 34.136, 301.694

Previews

White Background



This preview shows how the CIELCh color 85, 89.377, 114.575 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 85, 89.377, 114.575 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 85, 89.377, 114.575

Background



This preview shows how black text looks on a background with the CIELCh color 85, 89.377, 114.575.

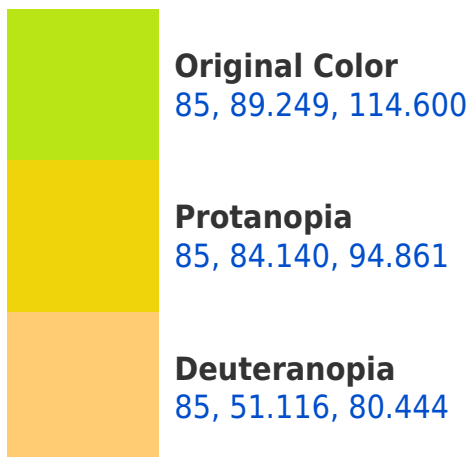


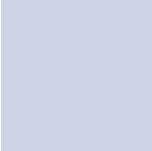
This preview shows how white text looks on a background with the CIELCh color 85, 89.377, 114.575.

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](#).

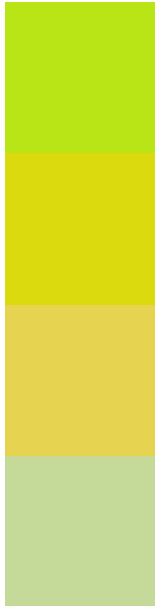
Dichromacy





Tritanopia
85, 9.313, 273.641

Trichromacy



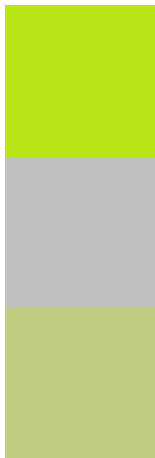
Original Color
85, 89.249, 114.600

Protanomaly
85, 84.752, 102.666

Deuteranomaly
84, 65.287, 97.696

Tritanomaly
84, 34.692, 120.992

Monochromacy



Original Color
85, 89.249, 114.600

Achromatopsia
78, 0.009, 296.813

Achromatomaly
80, 39.521, 115.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 89.377, 114.575 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(185, 228, 21)` looks like.

```
.text, #text, p{  
    color:rgb(185, 228, 21)  
}
```

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(185, 228, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 228, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 89.377, 114.575 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(185, 228, 21) }
```

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

```
.border{ border-color:rgb(185, 228, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 228, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 228, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 228, 21);  
box-shadow:4px 4px 4px 4px rgb(185, 228,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 89.377, 114.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 228, 21) }
```

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

```
.background{ background-color: rgb(185,  
228, 21) }
```

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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