

Converting Colors

CIELCh(89, 85.454, 113.230)

Have a look what the booklet for
CIELCh(89, 85.454, 113.230)
contains.

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Color

CIELCh(89, 85.519, 113.221)

Conversions

Conversions Part 1

Format	Color
Hex	CBEE34
RGB	203, 238, 52
RGB Percent	80%, 93%, 20%
CMY	0.2035, 0.0663, 0.7956
CMYK	0.15, 0.00, 0.78, 0.07
HSL	71°, 85%, 57%
HSV	71°, 78%, 93%
XYZ	55.8804, 74.1641, 14.6326
YIQ	206.3310, 38.8460, -65.2660

Conversions

Conversions Part 2

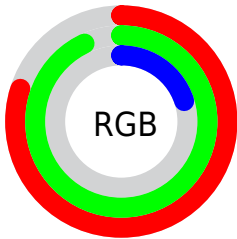
Format	Color
R_{YB}	52, 238, 87
Decimal	13364788
CIE _{Lab}	89.00, -33.72, 78.59
CIE _{LCh}	89, 85.519, 113.221
Yxy	74.1641, 0.3862, 0.5126
Android (android.graphics.Color)	4291554868 (0xFFCBEE34)
YUV	206.3310, -76.0852, -2.9213
Hunter-Lab	86.1186, -34.8829, 50.2089

Details

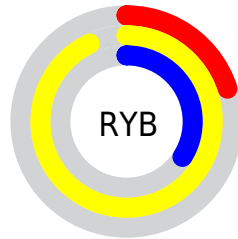
The CIELCh color **89, 85.519, 113.221** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **39, 107.582, 306.003**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 68.311, 104.953**, and **69, 77.362, 115.173** is the 20% darker color. If you saturate the color by 10%, you get **89, 90.909, 113.459**, and if you desaturate by 10%, it is **89, 77.826, 113.334**.

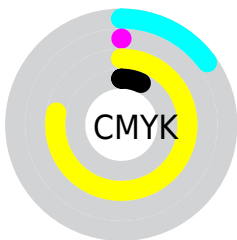
Distribution



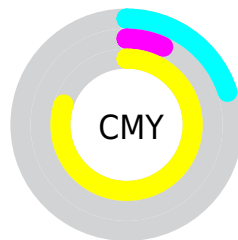
- Red (80%)
- Green (93%)
- Blue (20%)



- Red (20%)
- Yellow (93%)
- Blue (34%)



- Cyan (15%)
- Magenta (0%)
- Yellow (78%)
- Black (7%)





- Cyan (20%)
- Magenta (7%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 85.519, 113.221 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, 85.519, 113.221 by changing the saturation by 10% instead.


 89, 85.519,
113.221

 89, 85.519,
113.221


 100, 85.519,
113.221

 79, 85.519,
113.221

 69, 85.519,
113.221

 59, 85.519,
113.221

 49, 85.519,
113.221

 39, 85.519,
113.221


 29, 85.519,
113.221


 19, 85.519,


113.221

 9, 85.519, 113.221


 0, 85.519, 113.221


 89, 85.519,
113.221

 89, 85.519,
113.221


 89, 90.909,
113.459


 89, 77.826,
113.334

 88, 93.814,
114.085

 90, 68.383,
113.700

 88, 94.231,
114.222

 90, 57.742,
114.235

 91, 46.333,
114.871

 92, 34.453,

115.561

■ 93, 22.300,
116.271

■ 93, 10.004,
116.978

■ 94, 2.350, 297.664

■ 95, 8.914, 302.751

Harmonies

Complementary

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



89, 85.519, 113.221



39, 107.582, 306.003

Rectangle

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



89, 85.519, 113.221



89, 85.519, 163.221



89, 85.519, 293.221



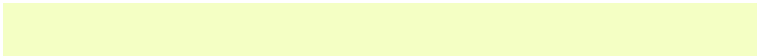
89, 85.519, 343.221

Sweetspot

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



89, 85.519, 113.223



98, 29.886, 115.916



57, 75.641, 41.294



52, 20.646, 115.659



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, 85.519, 113.223



94, 97.923, 113.809



84, 97.576, 131.860



50, 7.048, 116.882



70, 77.493, 114.050



22, 32.436, 113.468

Inverse Universe

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



39, 107.582, 306.003



35, 129.168, 307.002



50, 102.508, 317.713



46, 7.198, 298.234



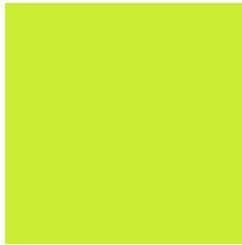
23, 103.126, 307.164



3, 38.349, 303.110

Previews

White Background



This preview shows how the CIELCh color 89, 85.519, 113.221 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, 85.519, 113.221 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, 85.519, 113.221

Background



This preview shows how black text looks on a background with the CIELCh color 89, 85.519, 113.221.

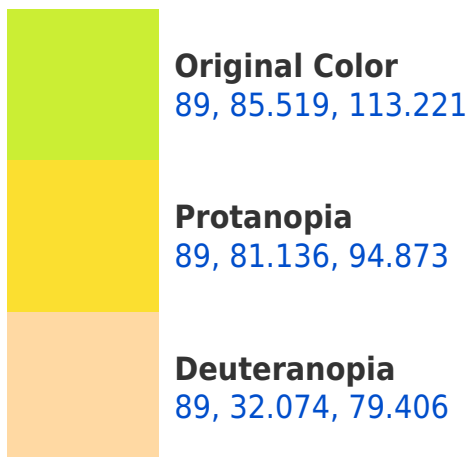


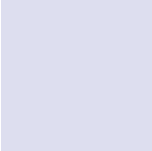
This preview shows how white text looks on a background with the CIELCh color 89, 85.519, 113.221.

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](#).

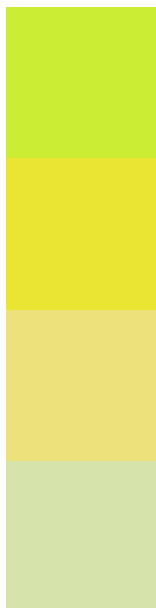
Dichromacy





Tritanopia
89, 8.868, 288.671

Trichromacy



Original Color
89, 85.519, 113.221

Protanomaly
89, 81.304, 101.652

Deuteranomaly
89, 51.796, 100.809

Tritanomaly
88, 29.858, 118.153

Monochromacy



Original Color
89, 85.519, 113.221

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 35.536, 115.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 85.519, 113.221 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(203, 238, 52)` looks like.

```
.text, #text, p{  
    color:rgb(203, 238, 52)  
}
```

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(203, 238, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 238, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 85.519, 113.221 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(203, 238, 52) }
```

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

```
.border{ border-color:rgb(203, 238, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 238, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 238, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 238, 52);  
box-shadow:4px 4px 4px 4px rgb(203, 238,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 85.519, 113.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 238, 52) }
```

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

```
.background{ background-color: rgb(203,  
238, 52) }
```

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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