

Converting Colors

CIELCh(89, 60.066, 116.627)

Have a look what the booklet for
CIELCh(89, 60.066, 116.627)
contains.

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Color

CIELCh(89, 59.938, 116.651)

Conversions

Conversions Part 1

Format	Color
Hex	CEEB75
RGB	206, 235, 117
RGB Percent	81%, 92%, 46%
CMY	0.1903, 0.0766, 0.5395
CMYK	0.12, 0.00, 0.50, 0.08
HSL	75°, 75%, 69%
HSV	75°, 50%, 92%
XYZ	58.6599, 74.1641, 28.1863
YIQ	212.8770, 20.5940, -42.8460

Conversions

Conversions Part 2

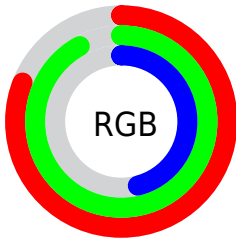
Format	Color
RYB	117, 235, 146
Decimal	13560693
CIELab	89.00, -26.89, 53.57
CIELCh	89, 59.938, 116.651
Yxy	74.1641, 0.3643, 0.4606
Android (android.graphics.Color)	4291750773 (0xFFCEE75)
YUV	212.8770, -47.2674, -6.0311
Hunter-Lab	86.1186, -29.1218, 40.8776

Details

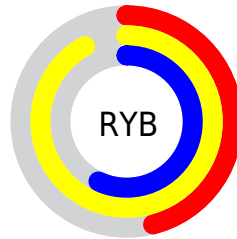
The CIELCh color **89, 59.938, 116.651** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57, 67.592, 304.083**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 41.560, 107.005**, and **69, 59.802, 116.411** is the 20% darker color. If you saturate the color by 10%, you get **88, 70.421, 116.218**, and if you desaturate by 10%, it is **90, 48.636, 117.207**.

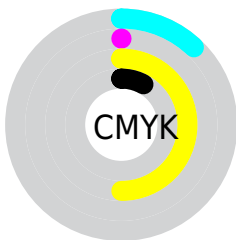
Distribution



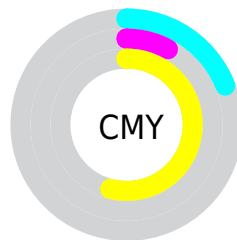
- Red (81%)
- Green (92%)
- Blue (46%)



- Red (46%)
- Yellow (92%)
- Blue (57%)



- Cyan (12%)
- Magenta (0%)
- Yellow (50%)
- Black (8%)





- Cyan (19%)
- Magenta (8%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 59.938, 116.651 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, 59.938, 116.651 by changing the saturation by 10% instead.


 89, 59.938,
116.651


 89, 59.938,
116.651


 100, 59.938,
116.651


 79, 59.938,
116.651

 69, 59.938,
116.651

 59, 59.938,
116.651

 49, 59.938,
116.651

 39, 59.938,
116.651


 29, 59.938,
116.651


 19, 59.938,


116.651

 9, 59.938, 116.651


 0, 59.938, 116.651


 89, 59.938,
116.651


 89, 59.938,
116.651

 88, 70.421,
116.218


 90, 48.636,
117.207


 88, 79.635,
115.981

 90, 36.827,
117.825

 87, 87.022,
116.042

 91, 24.724,
118.469

 87, 92.068,
116.501

 92, 12.465,
119.113

 87, 94.831,

 93, 0.145, 119.959

117.347

94, 10.288,
301.972

95, 10.867,
312.410

95, 11.766,
321.630

95, 12.189,
324.840

Harmonies

Complementary

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



89, 59.938, 116.651



57, 67.592, 304.083

Rectangle

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



89, 59.938, 116.651



89, 59.938, 166.651



89, 59.938, 296.651



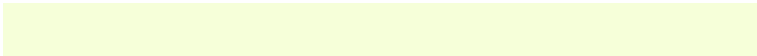
89, 59.938, 346.651

Sweetspot

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



89, 59.939, 116.653



98, 19.683, 118.796



69, 42.761, 42.817



52, 13.422, 118.659



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, 59.939, 116.653



95, 74.938, 116.213



86, 67.946, 134.103



49, 6.972, 119.155



68, 77.799, 117.132



20, 31.472, 116.547

Inverse Universe

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



57, 67.592, 304.083



54, 87.282, 305.205



63, 70.042, 318.868



45, 7.112, 300.367



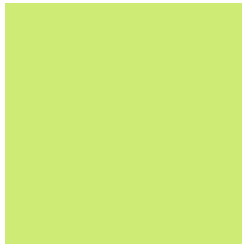
23, 101.270, 307.701



3, 36.409, 303.613

Previews

White Background



This preview shows how the CIELCh color 89, 59.938, 116.651 looks on a white background.

Color Contrast Check

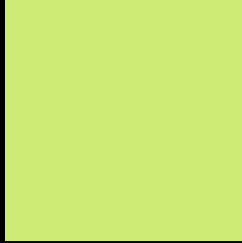
Large Text (above 18pt) WCAG AA × Fail

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 89, 59.938, 116.651 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, 59.938, 116.651

Background



This preview shows how black text looks on a background with the CIELCh color 89, 59.938, 116.651.

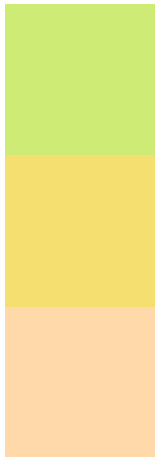


This preview shows how white text looks on a background with the CIELCh color 89, 59.938, 116.651.

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](#).

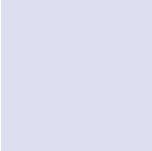
Dichromacy



Original Color
89, 59.938, 116.651

Protanopia
89, 56.307, 95.646

Deuteranopia
89, 28.874, 76.545

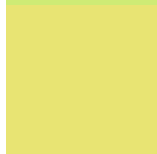


Tritanopia
89, 9.388, 288.840

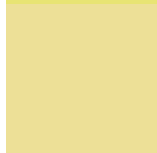
Trichromacy



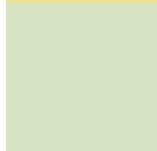
Original Color
89, 59.938, 116.651



Protanomaly
89, 56.629, 103.789



Deuteranomaly
89, 37.847, 99.086

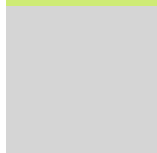


Tritanomaly
89, 17.096, 122.681

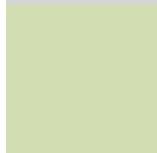
Monochromacy



Original Color
89, 59.938, 116.651



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 22.667, 117.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 59.938, 116.651 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(206, 235, 117)` looks like.

```
.text, #text, p{  
    color:rgb(206, 235, 117)  
}
```

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(206, 235, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 235, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 59.938, 116.651 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(206, 235, 117) }
```

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

```
.border{ border-color:rgb(206, 235, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 235, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 235, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 235, 117);  
box-shadow:4px 4px 4px 4px rgb(206, 235,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 59.938, 116.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 235, 117) }
```

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

```
.background{ background-color: rgb(206,  
235, 117) }
```

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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