

Converting Colors

CIELCh(89, 83.754, 108.738)

Have a look what the booklet for
CIELCh(89, 83.754, 108.738)
contains.

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Color

CIELCh(89, 83.792, 108.909)

Conversions

Conversions Part 1

Format	Color
Hex	D8EB33
RGB	216, 235, 51
RGB Percent	85%, 92%, 20%
CMY	0.1534, 0.0789, 0.8006
CMYK	0.08, 0.00, 0.78, 0.08
HSL	66°, 82%, 56%
HSV	66°, 78%, 92%
XYZ	58.5489, 74.1641, 14.3436
YIQ	208.3430, 47.7400, -61.2520

Conversions

Conversions Part 2

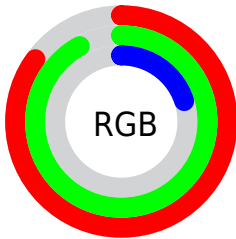
Format	Color
RYB	51, 235, 70
Decimal	14215987
CIELab	89.00, -27.15, 79.27
CIELCh	89, 83.792, 108.909
Yxy	74.1641, 0.3981, 0.5043
Android (android.graphics.Color)	4292406067 (0xFFD8EB33)
YUV	208.3430, -77.5701, 6.7152
Hunter-Lab	86.1186, -29.3518, 50.4079

Details

The CIELCh color **89, 83.792, 108.909** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **37, 107.528, 304.804**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 68.734, 104.921**, and **69, 75.086, 110.301** is the 20% darker color. If you saturate the color by 10%, you get **89, 88.859, 108.897**, and if you desaturate by 10%, it is **89, 76.407, 109.207**.

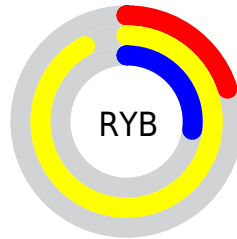
Distribution



Red (85%)

Green (92%)

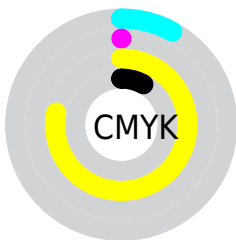
Blue (20%)



Red (20%)

Yellow (92%)

Blue (27%)

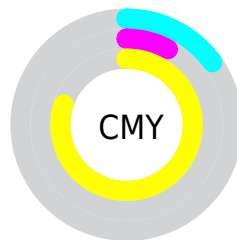


Cyan (8%)

Magenta (0%)

Yellow (78%)

Black (8%)



Cyan (15%)


Magenta (8%)


Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 83.792, 108.909 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, 83.792, 108.909 by changing the saturation by 10% instead.

 89, 83.792,
108.909

 89, 83.792,
108.909


 100, 83.792,
108.909


 79, 83.792,
108.909

 69, 83.792,
108.909

 59, 83.792,
108.909

 49, 83.792,
108.909

 39, 83.792,
108.909


 29, 83.792,
108.909


 19, 83.792,


108.909

 9, 83.792, 108.909


 0, 83.792, 108.909

 89, 83.792,
108.909


 89, 83.792,
108.909


 89, 88.859,
108.897


 89, 76.407,
109.207


 89, 91.459,
109.191

 90, 67.252,
109.718

 89, 91.780,
109.253

 90, 56.881,
110.376

 91, 45.729,
111.125

 91, 34.097,

111.924

■ 92, 22.184,
112.744

■ 92, 10.117,
113.562

■ 93, 2.017, 294.382

■ 94, 10.438,
296.320

Harmonies

Complementary

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



89, 83.792, 108.909



37, 107.528, 304.804

Rectangle

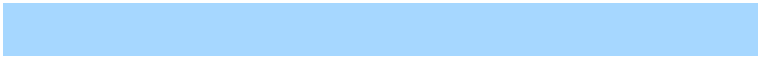
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 83.792, 108.909



89, 83.792, 158.909



89, 83.792, 288.909



89, 83.792, 338.909

Sweetspot

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



89, 83.792, 108.911



98, 30.935, 112.271



54, 78.291, 37.218



52, 21.207, 111.978



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, 83.792, 108.911



95, 96.498, 109.045



84, 94.465, 129.629



49, 6.877, 113.471



70, 75.505, 109.150



21, 30.777, 109.167

Inverse Universe

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



37, 107.528, 304.804



34, 130.307, 306.349



47, 102.277, 315.275



45, 7.029, 295.053



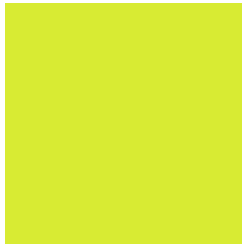
22, 102.889, 306.638



3, 35.966, 300.189

Previews

White Background



This preview shows how the CIELCh color 89, 83.792, 108.909 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, 83.792, 108.909 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, 83.792, 108.909

Background



This preview shows how black text looks on a background with the CIELCh color 89, 83.792, 108.909.



This preview shows how white text looks on a background with the CIELCh color 89, 83.792, 108.909.

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, 83.792, 108.909

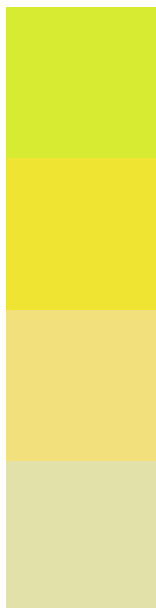
Protanopia
89, 81.397, 95.211

Deuteranopia
89, 31.613, 79.037



Tritanopia
89, 10.034, 318.033

Trichromacy



Original Color
89, 83.792, 108.909

Protanomaly
89, 81.653, 100.433

Deuteranomaly
89, 51.670, 98.032

Tritanomaly
88, 28.868, 106.989

Monochromacy



Original Color
89, 83.792, 108.909

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 34.742, 111.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 83.792, 108.909 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(216, 235, 51)` looks like.

```
.text, #text, p{  
    color:rgb(216, 235, 51)  
}
```

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(216, 235, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 235, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 83.792, 108.909 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(216, 235, 51) }
```

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

```
.border{ border-color:rgb(216, 235, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 235, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 235, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 235, 51);  
box-shadow:4px 4px 4px 4px rgb(216, 235,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 83.792, 108.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 235, 51) }
```

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

```
.background{ background-color: rgb(216,  
235, 51) }
```

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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