

Converting Colors

CIELCh(89, 78.981, 111.080)

Have a look what the booklet for
CIELCh(89, 78.981, 111.080)
contains.

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Color

CIELCh(89, 79.009, 111.117)

Conversions

Conversions Part 1

Format	Color
Hex	D4EC45
RGB	212, 236, 69
RGB Percent	83%, 93%, 27%
CMY	0.1700, 0.0758, 0.7308
CMYK	0.10, 0.00, 0.71, 0.08
HSL	69°, 81%, 60%
HSV	69°, 71%, 92%
XYZ	58.0095, 74.1641, 16.8286
YIQ	209.7860, 39.3030, -57.0250

Conversions

Conversions Part 2

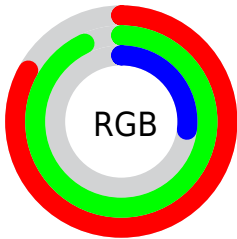
Format	Color
R_{YB}	69, 236, 93
Decimal	13954117
CIE _{Lab}	89.00, -28.46, 73.70
CIE _{LCh}	89, 79.009, 111.117
Yxy	74.1641, 0.3893, 0.4977
Android (android.graphics.Color)	4292144197 (0xFFD4EC45)
YUV	209.7860, -69.4075, 1.9417
Hunter-Lab	86.1186, -30.4700, 48.6970

Details

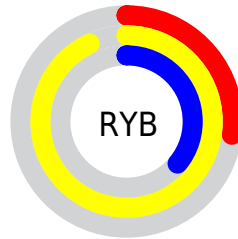
The CIELCh color **89, 79.009, 111.117** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **42, 97.637, 304.356**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.662, 105.382**, and **69, 75.676, 111.557** is the 20% darker color. If you saturate the color by 10%, you get **89, 85.952, 110.992**, and if you desaturate by 10%, it is **89, 70.156, 111.503**.

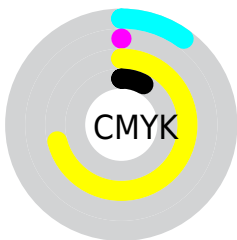
Distribution



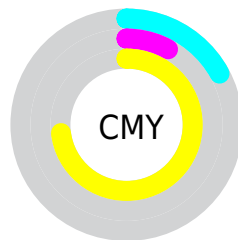
- Red (83%)
- Green (93%)
- Blue (27%)



- Red (27%)
- Yellow (93%)
- Blue (36%)



- Cyan (10%)
- Magenta (0%)
- Yellow (71%)
- Black (8%)



- Cyan (17%)
- Magenta (8%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 79.009, 111.117 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, 79.009, 111.117 by changing the saturation by 10% instead.


 89, 79.009,
111.117

 89, 79.009,
111.117


 100, 79.009,
111.117


 79, 79.009,
111.117

 69, 79.009,
111.117

 59, 79.009,
111.117

 49, 79.009,
111.117

 39, 79.009,
111.117

 29, 79.009,
111.117

 19, 79.009,

111.117

■ 9, 79.009, 111.117

■ 0, 79.009, 111.117

■ 89, 79.009,
111.117

■ 89, 79.009,
111.117

■ 89, 85.952,
110.992

■ 89, 70.156,
111.503

■ 88, 90.480,
111.197

■ 90, 59.962,
112.064


■ 88, 92.628,
111.665

■ 90, 48.896,
112.737


■ 91, 37.287,
113.471


■ 92, 25.356,

114.234

 92, 13.247,
114.999

 93, 1.056, 115.742

 94, 10.042,
297.026

 94, 10.244,
303.536

Harmonies

Complementary

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



89, 79.009, 111.117



42, 97.637, 304.356

Rectangle

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



89, 79.009, 111.117



89, 79.009, 161.117



89, 79.009, 291.117



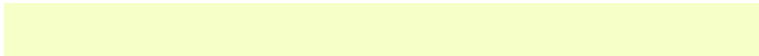
89, 79.009, 341.117

Sweetspot

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



89, 79.009, 111.119



98, 27.191, 114.217



58, 68.799, 37.387



52, 18.380, 114.004



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, 79.009, 111.119



95, 93.733, 111.039



84, 89.050, 130.529



49, 6.897, 115.106



69, 75.996, 111.524



21, 30.917, 111.339

Inverse Universe

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



42, 97.637, 304.356



38, 122.332, 306.096



51, 94.939, 316.257



45, 7.047, 296.573



22, 102.537, 306.857



3, 36.075, 301.135

Previews

White Background



This preview shows how the CIELCh color 89, 79.009, 111.117 looks on a white background.

Color Contrast Check

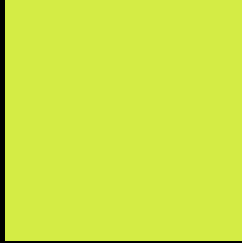
Large Text (above 18pt) WCAG AA × Fail

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, 79.009, 111.117 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, 79.009, 111.117

Background



This preview shows how black text looks on a background with the CIELCh color 89, 79.009, 111.117.

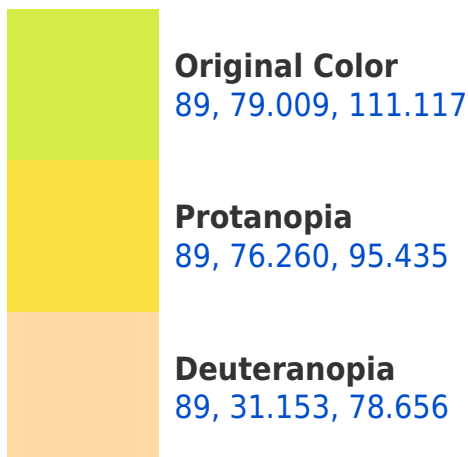


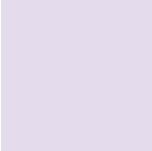
This preview shows how white text looks on a background with the CIELCh color 89, 79.009, 111.117.

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](#).

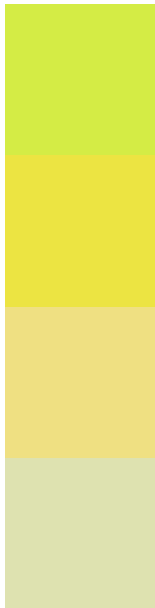
Dichromacy





Tritanopia
89, 9.343, 308.350

Trichromacy



Original Color
89, 79.009, 111.117

Protanomaly
89, 76.509, 101.292

Deuteranomaly
89, 48.223, 98.798

Tritanomaly
88, 25.848, 111.450

Monochromacy



Original Color
89, 79.009, 111.117

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 31.775, 113.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 79.009, 111.117 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(212, 236, 69)` looks like.

```
.text, #text, p{  
    color:rgb(212, 236, 69)  
}
```

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(212, 236, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 236, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 79.009, 111.117 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(212, 236, 69) }
```

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

```
.border{ border-color:rgb(212, 236, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 236, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 236, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 236, 69);  
box-shadow:4px 4px 4px 4px rgb(212, 236,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 79.009, 111.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 236, 69) }
```

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

```
.background{ background-color: rgb(212,  
236, 69) }
```

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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