

# Converting Colors

CIELCh(89, 52.378, 108.771)

Have a look what the booklet for  
CIELCh(89, 52.378, 108.771)  
contains.

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# Color

**CIELCh(89, 51.953, 108.578)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E67F
RGB	224, 230, 127
RGB Percent	88%, 90%, 50%
CMY	0.1205, 0.0970, 0.5010
CMYK	0.03, 0.00, 0.45, 0.10
HSL	63°, 68%, 70%
HSV	63°, 45%, 90%
XYZ	63.0362, 74.1641, 31.1533
YIQ	216.4640, 29.4870, -33.3050

# Conversions

## Conversions Part 2

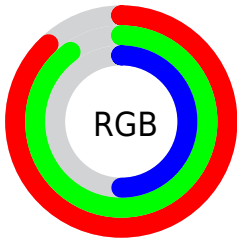
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 230, 133
Decimal	14739071
CIELab	89.00, -16.55, 49.25
CIELCh	89, 51.953, 108.578
Yxy	74.1641, 0.3744, 0.4405
Android (android.graphics.Color)	4292929151 (0xFFE0E67F)
YUV	216.4640, -44.1058, 6.6091
Hunter-Lab	86.1186, -20.0509, 38.8349

# Details

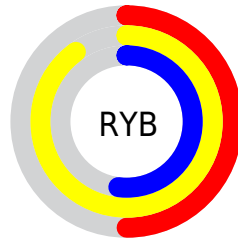
The CIELCh color **89, 51.953, 108.578** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **58, 58.536, 298.070**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 36.662, 107.383**, and **69, 52.047, 108.753** is the 20% darker color. If you saturate the color by 10%, you get **89, 62.447, 107.813**, and if you desaturate by 10%, it is **89, 40.812, 109.417**.

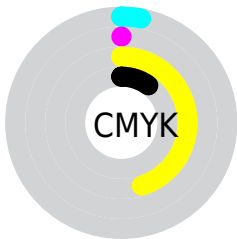
# Distribution



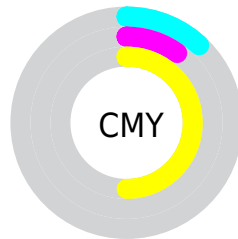
- Red (88%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (52%)



- Cyan (3%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)




- Cyan (12%)
- Magenta (10%)
- Yellow (50%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 51.953, 108.578 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, 51.953, 108.578 by changing the saturation by 10% instead.





 89, 51.953,  
108.578

 89, 51.953,  
108.578


 100, 51.953,  
108.578


 79, 51.953,  
108.578

 69, 51.953,  
108.578

 59, 51.953,  
108.578

 49, 51.953,  
108.578

 39, 51.953,  
108.578


 29, 51.953,  
108.578


 19, 51.953,


108.578


 9, 51.953, 108.578


 0, 51.953, 108.578


 89, 51.953,  
108.578

 89, 51.953,  
108.578


 89, 62.447,  
107.813


 89, 40.812,  
109.417

 88, 71.910,  
107.159

 90, 29.277,  
110.291

 88, 79.832,  
106.672

 90, 17.517,  
111.176

 88, 85.644,  
106.410

 91, 5.639, 112.051

 88, 88.963,

 92, 6.285, 292.928

106.411

92, 12.837,  
294.306

88, 89.952,  
106.492

92, 12.876,  
296.340

92, 12.931,  
298.365

93, 13.002,  
300.375

# Harmonies

# Complementary

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



89, 51.953, 108.578



58, 58.536, 298.070

# Rectangle

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



89, 51.953, 108.578



89, 51.953, 158.578



89, 51.953, 288.578



89, 51.953, 338.578

# Sweetspot

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



89, 51.954, 108.581



99, 16.789, 111.323



66, 41.613, 27.520



53, 11.741, 111.127



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, 51.954, 108.581



97, 66.980, 107.845



86, 56.788, 128.714



48, 6.739, 111.641



70, 74.344, 106.433



20, 29.343, 106.907



# Inverse Universe

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



58, 58.536, 298.070



56, 78.175, 299.774



63, 60.141, 312.915



44, 6.890, 293.356



21, 102.092, 306.466

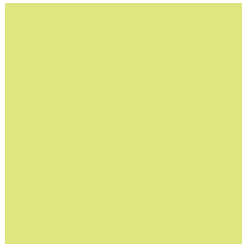


2, 33.781, 298.172



# Previews

## White Background



This preview shows how the CIELCh color 89, 51.953, 108.578 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, 51.953, 108.578 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

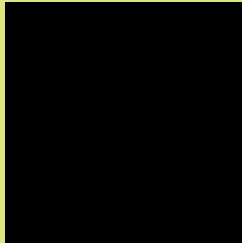
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 89, 51.953, 108.578

## Background



This preview shows how black text looks on a background with the CIELCh color 89, 51.953, 108.578.

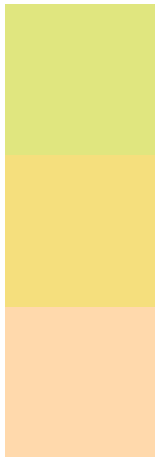


This preview shows how white text looks on a background with the CIELCh color 89, 51.953, 108.578.

# 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, 51.953, 108.578

**Protanopia**  
89, 50.657, 95.600

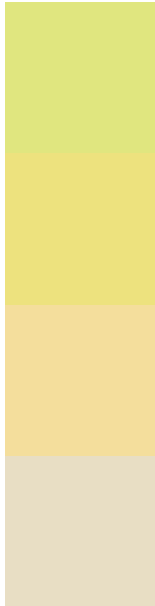
**Deuteranopia**  
89, 27.976, 75.594





**Tritanopia**  
89, 10.975, 326.368

# Trichromacy



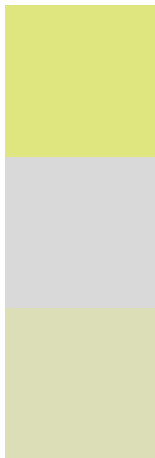
**Original Color**  
89, 51.953, 108.578

**Protanomaly**  
89, 50.821, 100.824

**Deuteranomaly**  
89, 35.191, 92.759

**Tritanomaly**  
89, 14.001, 93.407

# Monochromacy



**Original Color**  
89, 51.953, 108.578

**Achromatopsia**  
87, 0.010, 296.813

**Achromatomaly**  
87, 19.728, 110.733

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 51.953, 108.578 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(224, 230, 127)` looks like.

```
.text, #text, p{  
    color:rgb(224, 230, 127)  
}
```

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(224, 230, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 230, 127) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 51.953, 108.578 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(224, 230, 127) }
```

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

```
.border{ border-color:rgb(224, 230, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 230, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 230, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 230, 127); box-shadow:4px 4px 4px 4px rgb(224, 230, 127) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 51.953, 108.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 230, 127) }
```

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

```
.background{ background-color: rgb(224,  
230, 127) }
```

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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