

Converting Colors

CIELCh(89, 50.049, 105.700)

Have a look what the booklet for
CIELCh(89, 50.049, 105.700)
contains.

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Color

CIELCh(89, 50.027, 106.025)

Conversions

Conversions Part 1	
Format	Color
Hex	E5E582
RGB	229, 229, 130
RGB Percent	90%, 90%, 51%
CMY	0.1027, 0.1027, 0.4909
CMYK	0.00, 0.00, 0.43, 0.10
HSL	60°, 65%, 70%
HSV	60°, 43%, 90%
XYZ	64.2328, 74.1641, 31.9852
YIQ	217.7140, 31.7790, -30.7890

Conversions

Conversions Part 2

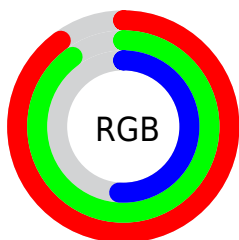
Format	Color
RYB	130, 229, 130
Decimal	15066498
CIELab	89.00, -13.81, 48.08
CIELCh	89, 50.027, 106.025
Yxy	74.1641, 0.3770, 0.4353
Android (android.graphics.Color)	4293256578 (0xFFE5E582)
YUV	217.7140, -43.2430, 9.8978
Hunter-Lab	86.1186, -17.5708, 38.2622

Details

The CIELCh color **89, 50.027, 106.025** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **58, 56.141, 296.195**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 35.183, 107.497**, and **69, 50.127, 106.070** is the 20% darker color. If you saturate the color by 10%, you get **89, 60.572, 105.153**, and if you desaturate by 10%, it is **89, 38.882, 106.961**.

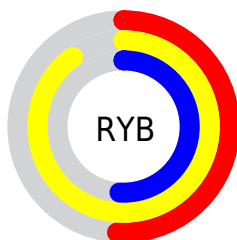
Distribution



Red (90%)

Green (90%)

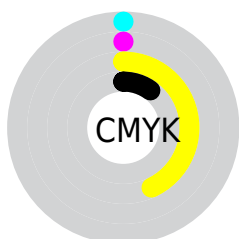
Blue (51%)



Red (51%)

Yellow (90%)

Blue (51%)

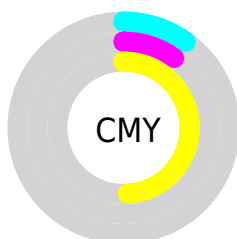


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (10%)



Cyan (10%)


Magenta (10%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 50.027, 106.025 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, 50.027, 106.025 by changing the saturation by 10% instead.


 89, 50.027,
106.025

 89, 50.027,
106.025


 100, 50.027,
106.025


 79, 50.027,
106.025

 69, 50.027,
106.025

 59, 50.027,
106.025

 49, 50.027,
106.025

 39, 50.027,
106.025


 29, 50.027,
106.025


 19, 50.027,


106.025


 9, 50.027, 106.025


 0, 50.027, 106.025


 89, 50.027,
106.025


 89, 50.027,
106.025


 89, 60.572,
105.153

 89, 38.882,
106.961

 89, 70.152,
104.370

 90, 27.376,
107.924

 88, 78.271,
103.719

 90, 15.666,
108.897


 88, 84.361,
103.240

 91, 3.854, 109.852


 91, 7.996, 290.830


 88, 87.998,


102.959

 92, 13.574,
291.267

 88, 89.287,
102.860

 92, 13.574,
291.271

 92, 13.574,
291.275

 92, 13.574,
291.279

Harmonies

Complementary

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



89, 50.027, 106.025



58, 56.141, 296.195

Rectangle

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



89, 50.027, 106.025



89, 50.027, 156.025



89, 50.027, 286.025



89, 50.027, 336.025

Sweetspot

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



89, 50.028, 106.028



99, 16.767, 108.915



65, 41.522, 23.888



53, 11.725, 108.699



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, 50.028, 106.028



98, 64.691, 105.233



86, 53.971, 127.036



48, 6.730, 109.265



71, 74.152, 102.860



20, 29.319, 103.662

Inverse Universe

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



58, 56.141, 296.195



57, 75.071, 298.012



63, 57.497, 311.261



44, 6.881, 291.167



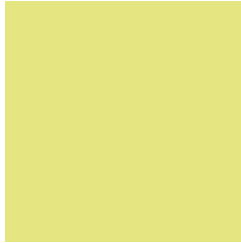
21, 102.391, 306.288



2, 33.677, 296.779

Previews

White Background



This preview shows how the CIELCh color 89, 50.027, 106.025 looks on a white background.

Color Contrast Check

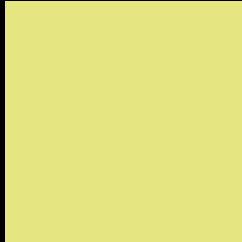
Large Text (above 18pt) WCAG AA × Fail

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, 50.027, 106.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

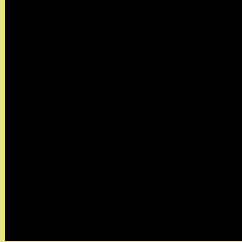
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 50.027, 106.025

Background



This preview shows how black text looks on a background with the CIELCh color 89, 50.027, 106.025.



This preview shows how white text looks on a background with the CIELCh color 89, 50.027, 106.025.

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, 50.027, 106.025

Protanopia

89, 49.237, 95.448

Deuteranopia




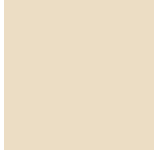
89, 27.529, 75.093




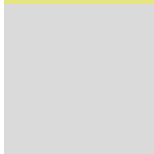
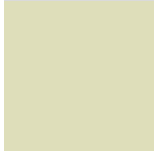
Tritanopia

89, 12.114, 333.354

Trichromacy

	Original Color 89, 50.027, 106.025
	Protanomaly 89, 49.093, 99.346
	Deuteranomaly 89, 34.466, 91.139
	Tritanomaly 89, 14.165, 85.453

Monochromacy

	Original Color 89, 50.027, 106.025
	Achromatopsia 87, 0.010, 296.813
	Achromatomaly 88, 18.675, 108.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 50.027, 106.025 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(229, 229, 130)` looks like.

```
.text, #text, p{  
    color:rgb(229, 229, 130)  
}
```

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(229, 229, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 229, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 50.027, 106.025 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(229, 229, 130) }
```

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

```
.border{ border-color:rgb(229, 229, 130) }
```

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

Here you see how a box with a 4 pixel rgb(229, 229, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 229, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 229, 130);  
box-shadow:4px 4px 4px 4px rgb(229, 229,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 50.027, 106.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 229, 130) }
```

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

```
.background{ background-color: rgb(229,  
229, 130) }
```

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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