

Converting Colors

CIELCh(89, 51.865, 102.510)

Have a look what the booklet for
CIELCh(89, 51.865, 102.510)
contains.

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Color

CIELCh(89, 51.631, 102.219)

Conversions

Conversions Part 1

Format	Color
Hex	EBE37D
RGB	235, 227, 125
RGB Percent	92%, 89%, 49%
CMY	0.0780, 0.1093, 0.5094
CMYK	0.00, 0.03, 0.47, 0.08
HSL	56°, 73%, 71%
HSV	56°, 47%, 92%
XYZ	65.5071, 74.1641, 30.2992
YIQ	217.7640, 37.5100, -30.0260

Conversions

Conversions Part 2

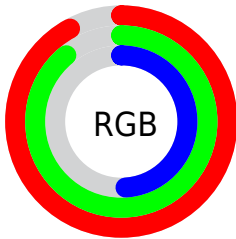
Format	Color
RYB	134, 235, 125
Decimal	15459197
CIELab	89.00, -10.93, 50.46
CIElCh	89, 51.631, 102.219
Yxy	74.1641, 0.3854, 0.4363
Android (android.graphics.Color)	4293649277 (0xFFEBE37D)
YUV	217.7640, -45.7327, 15.1160
Hunter-Lab	86.1186, -14.9295, 39.4229

Details

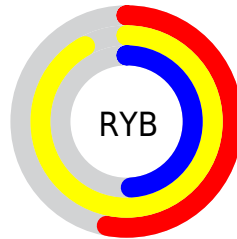
The CIELCh color **89, 51.631, 102.219** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **59, 57.634, 294.125**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 38.137, 107.269**, and **69, 51.596, 102.432** is the 20% darker color. If you saturate the color by 10%, you get **88, 61.666, 101.228**, and if you desaturate by 10%, it is **90, 40.992, 103.254**.

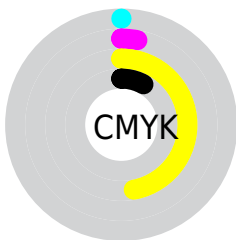
Distribution



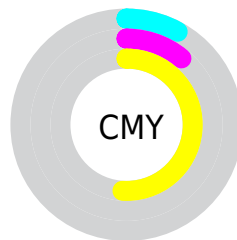
- Red (92%)
- Green (89%)
- Blue (49%)



- Red (53%)
- Yellow (92%)
- Blue (49%)



- Cyan (0%)
- Magenta (3%)
- Yellow (47%)
- Black (8%)





- Cyan (8%)
- Magenta (11%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 51.631, 102.219 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, 51.631, 102.219 by changing the saturation by 10% instead.


 89, 51.631,
102.219


 89, 51.631,
102.219


 100, 51.631,
102.219


 79, 51.631,
102.219

 69, 51.631,
102.219

 59, 51.631,
102.219

 49, 51.631,
102.219

 39, 51.631,
102.219

 29, 51.631,
102.219

 19, 51.631,

102.219

■ 9, 51.631, 102.219

■ 0, 51.631, 102.219

■ 89, 51.631,
102.219

■ 89, 51.631,
102.219

■ 88, 61.666,
101.228

■ 90, 40.992,
103.254

■ 88, 70.686,
100.298

■ 91, 30.010,
104.304

■ 87, 78.126, 99.458

■ 91, 18.854,
105.354

■ 87, 83.344, 98.726

■ 92, 7.623, 106.384

■ 86, 85.929, 98.103

■ 93, 3.618, 287.442

■ 86, 86.427, 97.915

■ 94, 9.098, 286.021

■ 95, 8.277, 281.381

■ 95, 7.521, 275.781

■ 95, 6.852, 269.028

Harmonies

Complementary

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



89, 51.631, 102.219



59, 57.634, 294.125

Rectangle

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



89, 51.631, 102.219



89, 51.631, 152.219



89, 51.631, 282.219



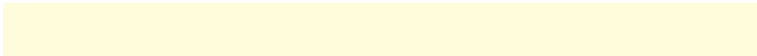
89, 51.631, 332.219

Sweetspot

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



89, 51.632, 102.222



99, 16.795, 105.638



65, 45.470, 18.426



52, 11.593, 105.412



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, 51.632, 102.222



95, 65.017, 101.281



88, 58.183, 123.798



49, 6.369, 106.112



68, 71.124, 98.003



20, 28.734, 99.352

Inverse Universe

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



59, 57.634, 294.125



57, 75.084, 296.227



61, 63.274, 308.873



45, 6.492, 288.131



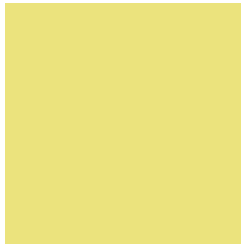
22, 100.121, 305.376



3, 33.929, 296.387

Previews

White Background



This preview shows how the CIELCh color 89, 51.631, 102.219 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, 51.631, 102.219 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, 51.631, 102.219

Background



This preview shows how black text looks on a background with the CIELCh color 89, 51.631, 102.219.

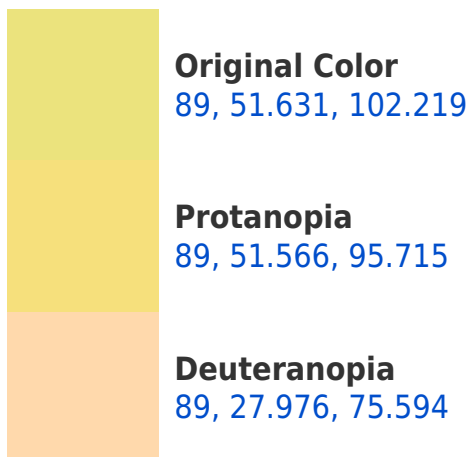



This preview shows how white text looks on a background with the CIELCh color 89, 51.631, 102.219.

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](#).

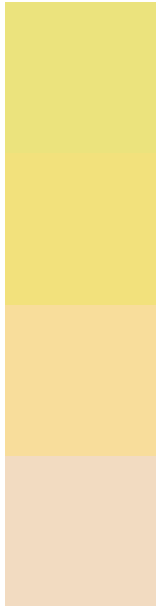
Dichromacy





Tritanopia
89, 14.245, 342.129

Trichromacy



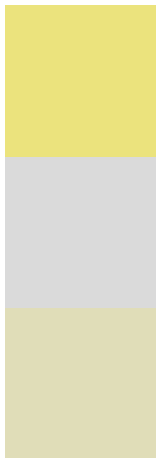
Original Color
89, 51.631, 102.219

Protanomaly
89, 51.639, 98.054

Deuteranomaly
89, 35.823, 89.605

Tritanomaly
89, 16.143, 76.064

Monochromacy



Original Color
89, 51.631, 102.219

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 19.233, 105.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 51.631, 102.219 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(235, 227, 125)` looks like.

```
.text, #text, p{  
    color:rgb(235, 227, 125)  
}
```

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(235, 227, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 227, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 51.631, 102.219 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(235, 227, 125) }
```

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

```
.border{ border-color:rgb(235, 227, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 227, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 227, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 227, 125);  
box-shadow:4px 4px 4px 4px rgb(235, 227,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 51.631, 102.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 227, 125) }
```

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

```
.background{ background-color: rgb(235,  
227, 125) }
```

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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