

Converting Colors

CIELCh(89, 76.145, 102.950)

Have a look what the booklet for
CIELCh(89, 76.145, 102.950)
contains.

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Color

CIELCh(89, 76.145, 102.950)

Conversions

Conversions Part 1

Format	Color
Hex	E9E645
RGB	233, 230, 69
RGB Percent	91%, 90%, 27%
CMY	0.0873, 0.0990, 0.7304
CMYK	0.00, 0.01, 0.70, 0.09
HSL	59°, 79%, 59%
HSV	59°, 70%, 91%
XYZ	62.8144, 74.1641, 16.5922
YIQ	212.5430, 53.4690, -49.4350

Conversions

Conversions Part 2

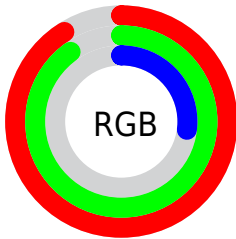
Format	Color
R _Y B	72, 233, 69
Decimal	15328837
CIE Lab	89.00, -17.06, 74.21
CIE LCh	89, 76.145, 102.950
Yxy	74.1641, 0.4090, 0.4829
Android (android.graphics.Color)	4293518917 (0xFFE9E645)
YUV	212.5430, -70.7667, 17.9408
Hunter-Lab	86.1186, -20.5108, 48.8598

Details

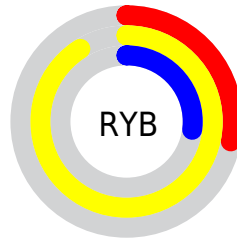
The CIELCh color **89, 76.145, 102.950** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **41, 95.188, 301.485**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.662, 105.382**, and **69, 73.076, 103.205** is the 20% darker color. If you saturate the color by 10%, you get **89, 82.892, 102.357**, and if you desaturate by 10%, it is **89, 67.519, 103.695**.

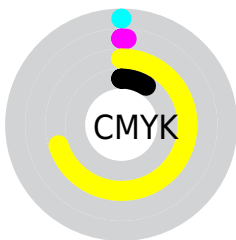
Distribution



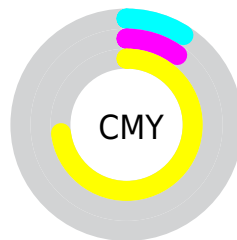
- Red (91%)
- Green (90%)
- Blue (27%)



- Red (28%)
- Yellow (91%)
- Blue (27%)



- Cyan (0%)
- Magenta (1%)
- Yellow (70%)
- Black (9%)





- Cyan (9%)
- Magenta (10%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 76.145, 102.950 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, 76.145, 102.950 by changing the saturation by 10% instead.


 89, 76.145,
102.950

 89, 76.145,
102.950


 100, 76.145,
102.950


 79, 76.145,
102.950

 69, 76.145,
102.950

 59, 76.145,
102.950

 49, 76.145,
102.950

 39, 76.145,
102.950

 29, 76.145,
102.950

 19, 76.145,

102.950

■ 9, 76.145, 102.950

■ 0, 76.145, 102.950

■ 89, 76.145,
102.950

■ 89, 76.145,
102.950

■ 89, 82.892,
102.357

■ 89, 67.519,
103.695

■ 89, 87.229,
101.937

■ 90, 57.595,
104.547

■ 88, 89.211,
101.686

■ 90, 46.838,
105.472

■ 90, 35.577,
106.441

■ 91, 24.024,

107.430

■ 92, 12.314,
108.419

■ 92, 0.535, 109.256

■ 93, 11.258,
290.369

■ 93, 11.070,
289.596

Harmonies

Complementary

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



89, 76.145, 102.950



41, 95.188, 301.485

Rectangle

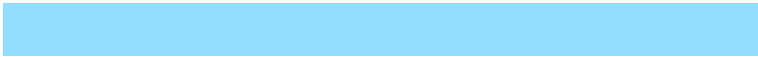
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 76.145, 102.950



89, 76.145, 152.950



89, 76.145, 282.950



89, 76.145, 332.950

Sweetspot

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



89, 76.145, 102.952



99, 26.543, 107.366



54, 71.530, 28.568



52, 17.944, 107.091



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, 76.145, 102.952



96, 91.474, 102.126



85, 83.619, 125.120



49, 6.730, 108.516



71, 73.934, 101.705



21, 30.167, 102.497

Inverse Universe

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



41, 95.188, 301.485



37, 122.253, 304.523



47, 94.165, 311.566



45, 6.876, 290.449



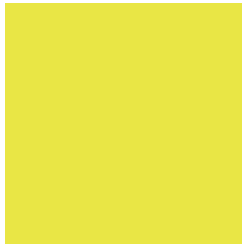
22, 102.632, 306.063



3, 35.282, 297.423

Previews

White Background



This preview shows how the CIELCh color 89, 76.145, 102.950 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, 76.145, 102.950 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, 76.145, 102.950

Background



This preview shows how black text looks on a background with the CIELCh color 89, 76.145, 102.950.



This preview shows how white text looks on a background with the CIELCh color 89, 76.145, 102.950.

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, 76.145, 102.950

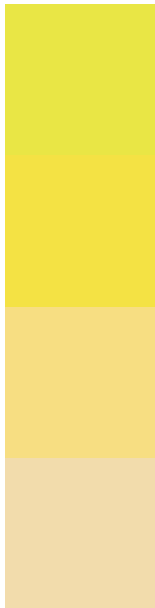
Protanopia
89, 75.589, 95.420

Deuteranopia
89, 31.153, 78.656



Tritanopia
89, 14.230, 344.729

Trichromacy



Original Color
89, 76.145, 102.950

Protanomaly
89, 75.474, 98.066

Deuteranomaly
89, 48.120, 93.802

Tritanomaly
88, 26.382, 88.907

Monochromacy



Original Color
89, 76.145, 102.950

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 30.055, 106.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 76.145, 102.950 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(233, 230, 69)` looks like.

```
.text, #text, p{  
    color:rgb(233, 230, 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(233, 230, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 230, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 76.145, 102.950 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(233, 230, 69) }
```

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

```
.border{ border-color:rgb(233, 230, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 230, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 230, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 230, 69);  
box-shadow:4px 4px 4px 4px rgb(233, 230,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 76.145, 102.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 230, 69) }
```

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

```
.background{ background-color: rgb(233,  
230, 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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