

Converting Colors

CIELCh(89, 89.671, 103.697)

Have a look what the booklet for
CIELCh(89, 89.671, 103.697)
contains.

CIELCh(89, 89.771, 103.705)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 89.771, 103.705)

Conversions

Conversions Part 1

Format	Color
Hex	E5E805
RGB	229, 232, 5
RGB Percent	90%, 91%, 2%
CMY	0.1032, 0.0913, 0.9807
CMYK	0.01, 0.00, 0.98, 0.09
HSL	61°, 96%, 46%
HSV	61°, 98%, 91%
XYZ	61.0126, 74.1641, 11.2395
YIQ	205.2250, 71.0790, -71.2330

Conversions

Conversions Part 2

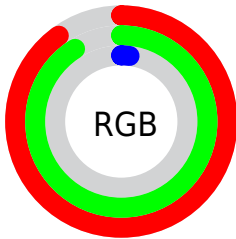
Format	Color
R _Y B	5, 232, 8
Decimal	15067141
CIE Lab	89.00, -21.27, 87.22
CIE LCh	89, 89.771, 103.705
Yxy	74.1641, 0.4167, 0.5065
Android (android.graphics.Color)	4293257221 (0xFFE5E805)
YUV	205.2250, -98.7109, 20.8507
Hunter-Lab	86.1186, -24.2454, 52.5450

Details

The CIELCh color **89, 89.771, 103.705** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **29, 123.443, 306.172**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **69, 73.809, 105.634** is the 20% darker color. If you saturate the color by 10%, you get **89, 90.157, 103.692**, and if you desaturate by 10%, it is **89, 87.217, 103.838**.

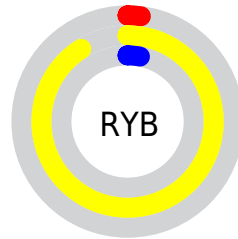
Distribution



Red (90%)

Green (91%)

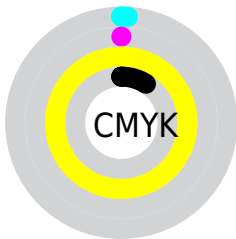
Blue (2%)



Red (2%)

Yellow (91%)

Blue (3%)

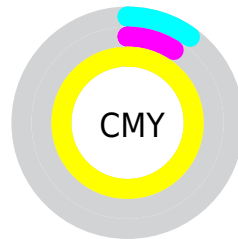


Cyan (1%)

Magenta (0%)

Yellow (98%)

Black (9%)



Cyan (10%)


Magenta (9%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 89.771, 103.705 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, 89.771, 103.705 by changing the saturation by 10% instead.


 89, 89.771,
103.705

 89, 89.771,
103.705


 100, 89.771,
103.705


 79, 89.771,
103.705

 69, 89.771,
103.705

 59, 89.771,
103.705

 49, 89.771,
103.705

 39, 89.771,
103.705


 29, 89.771,
103.705


 19, 89.771,


103.705

 9, 89.771, 103.705


 0, 89.771, 103.705

 89, 89.771,
103.705


 89, 89.771,
103.705

 89, 90.157,
103.692

 89, 87.217,
103.838

 89, 82.186,
104.179

 89, 74.867,
104.719

 90, 65.806,
105.419

 90, 55.554,

106.233

■ 90, 44.540,
107.122

■ 90, 33.060,
108.055

■ 91, 21.309,
109.006

■ 91, 9.413, 109.955

Harmonies

Complementary

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



89, 89.771, 103.705



29, 123.443, 306.172

Rectangle

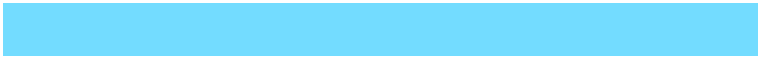
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 89.771, 103.705



89, 89.771, 153.705



89, 89.771, 283.705



89, 89.771, 333.705

Sweetspot

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



89, 89.770, 103.707



98, 37.133, 107.934



49, 96.134, 39.516



52, 25.395, 107.532



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, 89.770, 103.707



97, 96.930, 103.697



83, 100.985, 128.044



48, 6.731, 109.807



70, 74.167, 103.678



20, 29.315, 104.404

Inverse Universe

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



29, 123.443, 306.172



32, 133.758, 306.313



37, 115.342, 311.866



44, 6.882, 291.665



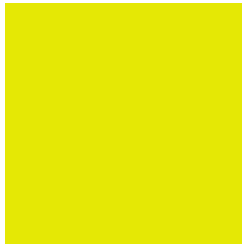
21, 102.322, 306.328



2, 33.699, 297.097

Previews

White Background



This preview shows how the CIELCh color 89, 89.771, 103.705 looks on a white background.

Color Contrast Check

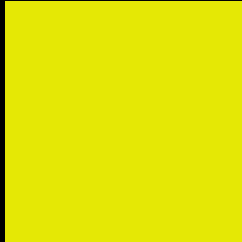
Large Text (above 18pt) WCAG AA × Fail

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, 89.771, 103.705 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, 89.771, 103.705

Background



This preview shows how black text looks on a background with the CIELCh color 89, 89.771, 103.705.



This preview shows how white text looks on a background with the CIELCh color 89, 89.771, 103.705.

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, 89.849, 103.699

Protanopia

89, 88.766, 94.989

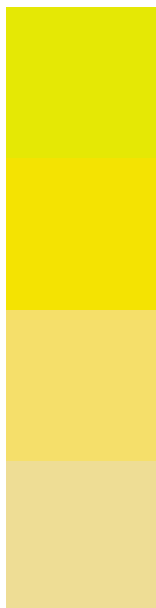
Deuteranopia

89, 32.306, 80.408



Tritanopia
89, 13.689, 340.179

Trichromacy



Original Color
89, 89.849, 103.699

Protanomaly
89, 88.902, 98.130

Deuteranomaly
89, 59.380, 96.258

Tritanomaly
88, 37.715, 96.538

Monochromacy



Original Color
89, 89.849, 103.699

Achromatopsia
82, 0.010, 296.813

Achromatomaly
84, 42.689, 107.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 89.771, 103.705 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, 232, 5)` looks like.

```
.text, #text, p{  
    color:rgb(229, 232, 5)  
}
```

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, 232, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 232, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 89.771, 103.705 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, 232, 5) }
```

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

```
.border{ border-color:rgb(229, 232, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 232, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 232, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 232, 5);  
box-shadow:4px 4px 4px 4px rgb(229, 232,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 89.771, 103.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 232, 5) }
```

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

```
.background{ background-color: rgb(229,  
232, 5) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor