

Converting Colors

CIELCh(86, 71.739, 89.151)

Have a look what the booklet for
CIELCh(86, 71.739, 89.151) contains.

CIELCh(86, 71.905, 89.055)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(86, 71.905, 89.055)

Conversions

Conversions Part 1

Format	Color
Hex	FED345
RGB	254, 211, 69
RGB Percent	100%, 83%, 27%
CMY	0.0045, 0.1731, 0.7300
CMYK	0.00, 0.17, 0.73, 0.00
HSL	46°, 99%, 63%
HSV	46°, 73%, 100%
XYZ	65.1440, 67.9871, 15.2952
YIQ	207.6690, 71.2100, -35.0460

Conversions

Conversions Part 2

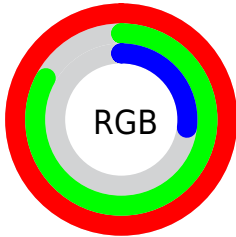
Format	Color
RYB	125, 254, 69
Decimal	16700229
CIELab	86.00, 1.19, 71.90
CIELCh	86, 71.905, 89.055
Yxy	67.9871, 0.4389, 0.4581
Android (android.graphics.Color)	4294890309 (0xFF FED345)
YUV	207.6690, -68.3638, 40.6323
Hunter-Lab	82.4543, -3.2689, 46.7198

Details

The CIELCh color **86, 71.905, 89.055** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **52, 81.809, 293.584**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 63.106, 105.348**, and **66, 69.711, 88.986** is the 20% darker color. If you saturate the color by 10%, you get **84, 78.588, 87.578**, and if you desaturate by 10%, it is **88, 63.433, 90.446**.

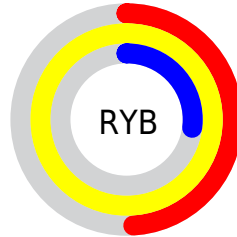
Distribution



Red (100%)

Green (83%)

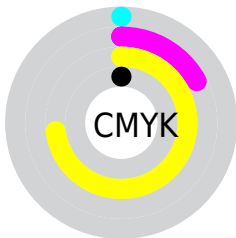
Blue (27%)



Red (49%)

Yellow (100%)

Blue (27%)

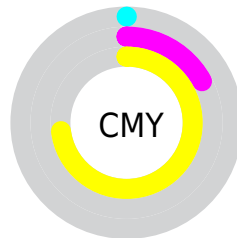


Cyan (0%)

Magenta (17%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 71.905, 89.055 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 86, 71.905, 89.055 by changing the saturation by 10% instead.

 86, 71.905, 89.055

 86, 71.905, 89.055

 100, 71.905,
89.055

 76, 71.905, 89.055

 66, 71.905, 89.055

 56, 71.905, 89.055

 46, 71.905, 89.055

 36, 71.905, 89.055

 26, 71.905, 89.055

 16, 71.905, 89.055

 6, 71.905, 89.055

 0, 71.905, 89.055

86, 71.905, 89.055

86, 71.905, 89.055

84, 78.588, 87.578

88, 63.433, 90.446

83, 82.632, 85.922

89, 53.926, 91.787

82, 83.911, 84.606

91, 43.891, 93.098

93, 33.633, 94.384

95, 23.325, 95.640

97, 13.062, 96.858

99, 2.892, 97.987

100, 0.402,
201.027

Harmonies

Complementary

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



86, 71.905, 89.055



52, 81.809, 293.584

Rectangle

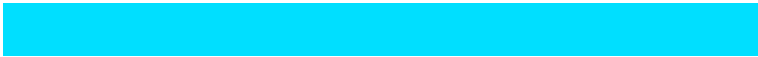
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 71.905, 89.055



86, 71.905, 139.055



86, 71.905, 269.055



86, 71.905, 319.055

Sweetspot

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



86, 71.905, 89.058



96, 22.507, 95.747



58, 73.592, 14.616



50, 15.140, 95.411



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 71.905, 89.058



84, 80.905, 86.919



94, 87.284, 116.925



52, 5.777, 97.256



63, 67.916, 84.965



21, 29.795, 87.293

Inverse Universe

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



52, 81.809, 293.584



44, 99.791, 298.078



46, 105.574, 306.972



50, 5.830, 279.590



28, 91.032, 301.370



6, 36.394, 296.555

Previews

White Background



This preview shows how the CIELCh color 86, 71.905, 89.055 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 86, 71.905, 89.055 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 86, 71.905, 89.055

Background



This preview shows how black text looks on a background with the CIELCh color 86, 71.905, 89.055.



This preview shows how white text looks on a background with the CIELCh color 86, 71.905, 89.055.

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

86, 71.905, 89.055

Protanopia

86, 71.525, 95.412

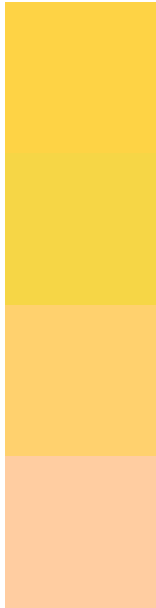
Deuteranopia

86, 43.488, 80.036



Tritanopia
86, 20.972, 3.772

Trichromacy



Original Color
86, 71.905, 89.055

Protanomaly
86, 71.389, 92.926

Deuteranomaly
86, 54.693, 84.741

Tritanomaly
86, 30.974, 67.463

Monochromacy



Original Color
86, 71.905, 89.055

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 27.939, 94.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 71.905, 89.055 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(254, 211, 69)` looks like.

```
.text, #text, p{  
    color:rgb(254, 211, 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(254, 211, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 211, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 71.905, 89.055 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(254, 211, 69) }
```

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

```
.border{ border-color:rgb(254, 211, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 211, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 211, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 211, 69);  
box-shadow:4px 4px 4px 4px rgb(254, 211,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 71.905, 89.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 211, 69) }
```

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

```
.background{ background-color: rgb(254,  
211, 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](#).

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