

Converting Colors

CIELCh(86, 78.309, 89.404)

Have a look what the booklet for
CIELCh(86, 78.309, 89.404) contains.

CIELCh(86, 78.441, 89.356)	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, 78.441, 89.356)

Conversions

Conversions Part 1

Format	Color
Hex	FFD331
RGB	255, 211, 49
RGB Percent	100%, 83%, 19%
CMY	0.0005, 0.1730, 0.8084
CMYK	0.00, 0.17, 0.81, 0.00
HSL	47°, 100%, 60%
HSV	47°, 81%, 100%
XYZ	65.0092, 67.9871, 12.5862
YIQ	205.6880, 78.2260, -41.0540

Conversions

Conversions Part 2

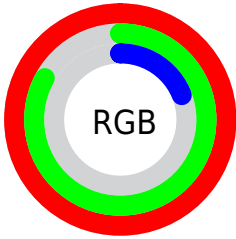
Format	Color
RYB	105, 255, 49
Decimal	16765745
CIELab	86.00, 0.88, 78.44
CIELCh	86, 78.441, 89.356
Yxy	67.9871, 0.4465, 0.4670
Android (android.graphics.Color)	4294955825 (0xFFFFD331)
YUV	205.6880, -77.2472, 43.2466
Hunter-Lab	82.4543, -3.5607, 48.6677

Details

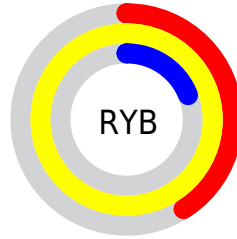
The CIELCh color **86, 78.441, 89.356** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **47, 94.479, 297.015**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 69.991, 104.826**, and **66, 69.839, 88.619** is the 20% darker color. If you saturate the color by 10%, you get **85, 83.002, 87.856**, and if you desaturate by 10%, it is **87, 71.359, 90.741**.

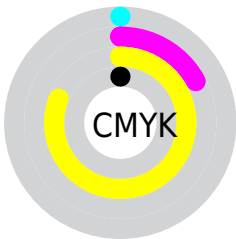
Distribution



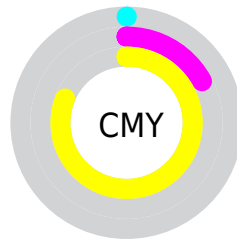
- Red (100%)
- Green (83%)
- Blue (19%)



- Red (41%)
- Yellow (100%)
- Blue (19%)



- Cyan (0%)
- Magenta (17%)
- Yellow (81%)
- Black (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 78.441, 89.356 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, 78.441, 89.356 by changing the saturation by 10% instead.

 86, 78.441, 89.356

 86, 78.441, 89.356

 100, 78.441,
89.356

 76, 78.441, 89.356

 66, 78.441, 89.356

 56, 78.441, 89.356

 46, 78.441, 89.356

 36, 78.441, 89.356

 26, 78.441, 89.356

 16, 78.441, 89.356

 6, 78.441, 89.356

 0, 78.441, 89.356

■ 86, 78.441, 89.356

■ 86, 78.441, 89.356

■ 85, 83.002, 87.856

■ 87, 71.359, 90.741

■ 83, 84.778, 86.319

■ 89, 62.598, 92.066

■ 91, 52.867, 93.362

■ 92, 42.636, 94.638

■ 94, 32.190, 95.893

■ 96, 21.690, 97.120

■ 98, 11.226, 98.310

■ 100, 0.844, 99.253

■ 100, 0.045,
214.130

Harmonies

Complementary

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



86, 78.441, 89.356



47, 94.479, 297.015

Rectangle

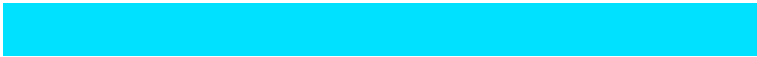
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 78.441, 89.356



86, 78.441, 139.356



86, 78.441, 269.356



86, 78.441, 319.356

Sweetspot

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



86, 78.440, 89.359



95, 25.030, 96.734



56, 80.491, 19.343



50, 17.212, 96.297



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, 78.440, 89.359



84, 84.351, 86.830



93, 93.886, 117.834



52, 5.892, 98.463



64, 68.414, 86.648



21, 30.181, 88.824

Inverse Universe

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



47, 94.479, 297.015



39, 114.109, 301.769



42, 115.754, 307.846



50, 5.955, 280.761



28, 93.066, 302.050



6, 37.143, 297.195

Previews

White Background



This preview shows how the CIELCh color 86, 78.441, 89.356 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, 78.441, 89.356 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, 78.441, 89.356

Background



This preview shows how black text looks on a background with the CIELCh color 86, 78.441, 89.356.



This preview shows how white text looks on a background with the CIELCh color 86, 78.441, 89.356.

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, 78.441, 89.356

Protanopia

86, 78.079, 95.223

Deuteranopia

86, 44.408, 80.485



Tritanopia
86, 20.972, 3.772

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 78.441, 89.356 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(255, 211, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 49)  
}
```

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(255, 211, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 78.441, 89.356 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(255, 211, 49) }
```

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

```
.border{ border-color:rgb(255, 211, 49) }
```

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

Here you see how a box with a 4 pixel rgb(255, 211, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 78.441, 89.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 49) }
```

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

```
.background{ background-color: rgb(255,  
211, 49) }
```

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