

Converting Colors

CIELCh(86, 84.899, 89.620)

Have a look what the booklet for
CIELCh(86, 84.899, 89.620) contains.

CIELCh(86, 84.863, 89.833)	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, 84.863, 89.833)

Conversions

Conversions Part 1

Format	Color
Hex	FFD311
RGB	255, 211, 17
RGB Percent	100%, 83%, 7%
CMY	0.0000, 0.1720, 0.9319
CMYK	0.00, 0.17, 0.93, 0.00
HSL	49°, 100%, 53%
HSV	49°, 93%, 100%
XYZ	64.7288, 67.9871, 10.2562
YIQ	202.0400, 88.4980, -51.0060

Conversions

Conversions Part 2

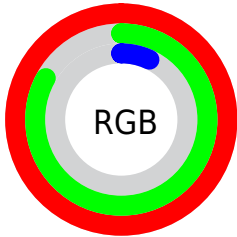
Format	Color
R_{YB}	71, 255, 17
Decimal	16765713
CIE _{Lab}	86.00, 0.25, 84.86
CIE _{LCh}	86, 84.863, 89.833
Yxy	67.9871, 0.4527, 0.4755
Android (android.graphics.Color)	4294955793 (0xFFFFD311)
YUV	202.0400, -91.2247, 46.4459
Hunter-Lab	82.4543, -4.1677, 50.3431

Details

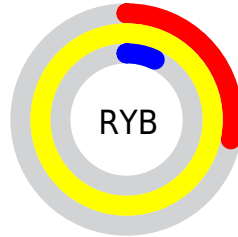
The CIELCh color **86, 84.863, 89.833** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **39, 113.598, 301.784**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **66, 69.711, 88.986** is the 20% darker color. If you saturate the color by 10%, you get **85, 85.918, 88.889**, and if you desaturate by 10%, it is **87, 81.087, 91.236**.

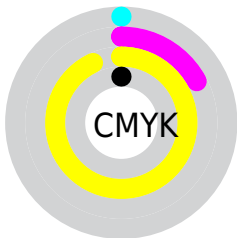
Distribution



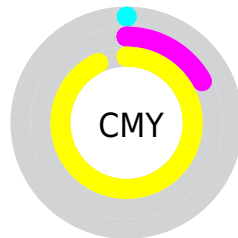
- Red (100%)
- Green (83%)
- Blue (7%)



- Red (28%)
- Yellow (100%)
- Blue (7%)



- Cyan (0%)
- Magenta (17%)
- Yellow (93%)
- Black (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 84.863, 89.833 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, 84.863, 89.833 by changing the saturation by 10% instead.

 86, 84.863, 89.833

 86, 84.863, 89.833

 100, 84.863,
89.833

 76, 84.863, 89.833

 66, 84.863, 89.833

 56, 84.863, 89.833

 46, 84.863, 89.833

 36, 84.863, 89.833

 26, 84.863, 89.833

 16, 84.863, 89.833

 6, 84.863, 89.833

 0, 84.863, 89.833

86, 84.863, 89.833

86, 84.863, 89.833

85, 85.918, 88.889

87, 81.087, 91.236

89, 74.605, 92.512

90, 66.173, 93.756

91, 56.542, 94.990

93, 46.247, 96.219

94, 35.625, 97.437

96, 24.874, 98.636

98, 14.108, 99.805

99, 3.389, 100.907

Harmonies

Complementary

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



86, 84.863, 89.833



39, 113.598, 301.784

Rectangle

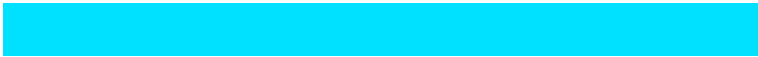
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 84.863, 89.833



86, 84.863, 139.833



86, 84.863, 269.833



86, 84.863, 319.833

Sweetspot

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



86, 84.844, 89.879



95, 30.056, 98.061



54, 89.709, 26.969



50, 20.751, 97.542



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, 84.844, 89.879



85, 85.918, 88.889



92, 100.495, 119.433



52, 6.073, 100.225



66, 69.309, 89.164



22, 30.809, 91.083

Inverse Universe

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



39, 113.598, 301.784



36, 120.847, 303.395



37, 126.604, 308.341



49, 6.151, 282.467



27, 95.996, 302.985



6, 38.208, 298.046

Previews

White Background



This preview shows how the CIELCh color 86, 84.863, 89.833 looks on a white background.

Color Contrast Check

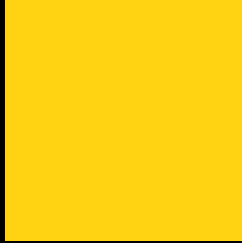
Large Text (above 18pt) WCAG AA × Fail

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, 84.863, 89.833 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, 84.863, 89.833

Background



This preview shows how black text looks on a background with the CIELCh color 86, 84.863, 89.833.



This preview shows how white text looks on a background with the CIELCh color 86, 84.863, 89.833.

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, 84.863, 89.833

Protanopia

86, 84.433, 94.993

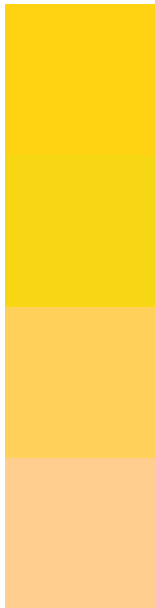
Deuteranopia

86, 44.869, 80.701



Tritanopia
86, 20.858, 5.156

Trichromacy



Original Color
86, 84.863, 89.833

Protanomaly
86, 84.418, 93.160

Deuteranomaly
86, 63.388, 86.662

Tritanomaly
85, 39.707, 75.793

Monochromacy



Original Color
86, 84.863, 89.833

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 37.113, 96.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 84.863, 89.833 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 84.863, 89.833 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, 17) }
```

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

```
.border{ border-color:rgb(255, 211, 17) }
```

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, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 84.863, 89.833 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, 17) }
```

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

```
.background{ background-color: rgb(255,  
211, 17) }
```

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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