

Converting Colors

CIELCh(86, 86.038, 89.690)

Have a look what the booklet for
CIELCh(86, 86.038, 89.690) contains.

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Color

CIELCh(86, 85.918, 89.899)

Conversions

Conversions Part 1

Format	Color
Hex	FFD307
RGB	255, 211, 7
RGB Percent	100%, 83%, 3%
CMY	0.0000, 0.1718, 0.9739
CMYK	0.00, 0.17, 0.97, 0.00
HSL	49°, 100%, 51%
HSV	49°, 97%, 100%
XYZ	64.6865, 67.9871, 9.9035
YIQ	200.9000, 91.7080, -54.1160

Conversions

Conversions Part 2

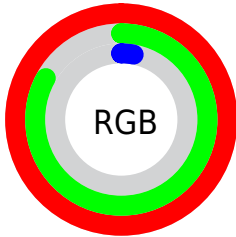
Format	Color
RYB	60, 255, 7
Decimal	16765703
CIELab	86.00, 0.15, 85.92
CIELCh	86, 85.918, 89.899
Yxy	67.9871, 0.4537, 0.4768
Android (android.graphics.Color)	4294955783 (0xFFFFD307)
YUV	200.9000, -95.5927, 47.4457
Hunter-Lab	82.4543, -4.2593, 50.5967

Details

The CIELCh color **86, 85.918, 89.899** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **37, 119.188, 303.070**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.889, 104.234**, and **66, 69.711, 88.986** is the 20% darker color. If you saturate the color by 10%, you get **86, 86.264, 89.595**, and if you desaturate by 10%, it is **87, 83.407, 91.306**.

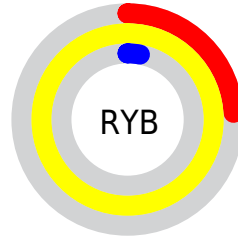
Distribution



Red (100%)

Green (83%)

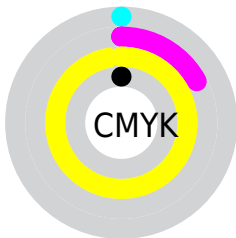
Blue (3%)



Red (24%)

Yellow (100%)

Blue (3%)

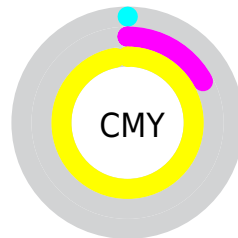


Cyan (0%)

Magenta (17%)

Yellow (97%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 85.918, 89.899 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, 85.918, 89.899 by changing the saturation by 10% instead.

 86, 85.918, 89.899

 86, 85.918, 89.899

 100, 85.918,
89.899

 76, 85.918, 89.899

 66, 85.918, 89.899

 56, 85.918, 89.899

 46, 85.918, 89.899

 36, 85.918, 89.899

 26, 85.918, 89.899

 16, 85.918, 89.899

 6, 85.918, 89.899

 0, 85.918, 89.899

86, 85.918, 89.899

86, 85.918, 89.899

86, 86.264, 89.595

87, 83.407, 91.306

88, 78.013, 92.565

90, 70.308, 93.789

91, 61.089, 95.004

92, 50.986, 96.219

94, 40.418, 97.428

95, 29.636, 98.625

97, 18.788, 99.799

99, 7.958, 100.935

Harmonies

Complementary

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



86, 85.918, 89.899



37, 119.188, 303.070

Rectangle

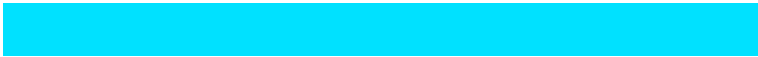
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 85.918, 89.899



86, 85.918, 139.899



86, 85.918, 269.899



86, 85.918, 319.899

Sweetspot

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



86, 85.895, 89.957



95, 31.375, 98.434



54, 93.306, 30.500



50, 21.524, 97.925



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, 85.895, 89.957



86, 86.264, 89.595



92, 102.227, 120.678



52, 6.125, 100.700



66, 69.587, 89.855



22, 30.993, 91.697

Inverse Universe

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



37, 119.188, 303.070



36, 121.778, 303.621



37, 128.496, 308.447



49, 6.207, 282.927



26, 96.772, 303.224



6, 38.490, 298.260

Previews

White Background



This preview shows how the CIELCh color 86, 85.918, 89.899 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, 85.918, 89.899 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, 85.918, 89.899

Background



This preview shows how black text looks on a background with the CIELCh color 86, 85.918, 89.899.



This preview shows how white text looks on a background with the CIELCh color 86, 85.918, 89.899.

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, 85.832, 89.894

Protanopia

86, 85.431, 95.001

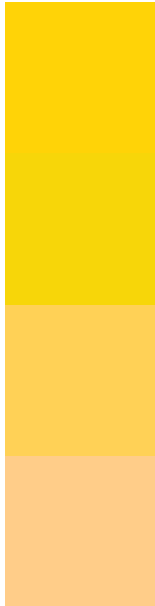
Deuteranopia

86, 44.869, 80.701



Tritanopia
86, 20.858, 5.156

Trichromacy



Original Color
86, 85.832, 89.894

Protanomaly
86, 85.462, 93.188

Deuteranomaly
86, 65.038, 86.948

Tritanomaly
85, 41.517, 76.974

Monochromacy



Original Color
86, 85.832, 89.894

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 39.606, 97.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 85.918, 89.899 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 85.918, 89.899 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, 7) }
```

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

```
.border{ border-color:rgb(255, 211, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
7) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 85.918, 89.899 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, 7) }
```

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

```
.background{ background-color: rgb(255,  
211, 7) }
```

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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