

Converting Colors

CIELCh(85, 82.606, 94.879)

Have a look what the booklet for
CIELCh(85, 82.606, 94.879) contains.

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Color

CIELCh(85, 82.606, 94.879)

Conversions

Conversions Part 1

Format	Color
Hex	F0D51A
RGB	240, 213, 26
RGB Percent	94%, 84%, 10%
CMY	0.0599, 0.1657, 0.8999
CMYK	0.00, 0.11, 0.89, 0.06
HSL	52°, 88%, 52%
HSV	52°, 89%, 94%
XYZ	59.7490, 66.0070, 10.5400
YIQ	199.7550, 76.1190, -52.4330

Conversions

Conversions Part 2

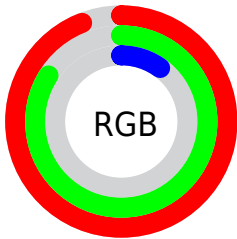
Format	Color
RYB	57, 240, 26
Decimal	15783194
CIELab	85.00, -7.03, 82.31
CIELCh	85, 82.606, 94.879
Yxy	66.0070, 0.4384, 0.4843
Android (android.graphics.Color)	4293973274 (0xFFFF0D51A)
YUV	199.7550, -85.6612, 35.2949
Hunter-Lab	81.2447, -10.9058, 49.1795

Details

The CIELCh color **85, 82.606, 94.879** 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 **36, 110.613, 302.644**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 75.617, 104.403**, and **65, 68.751, 95.124** is the 20% darker color. If you saturate the color by 10%, you get **84, 84.608, 93.908**, and if you desaturate by 10%, it is **86, 78.000, 95.866**.

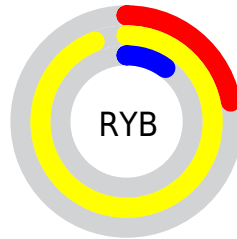
Distribution



Red (94%)

Green (84%)

Blue (10%)



Red (22%)

Yellow (94%)

Blue (10%)

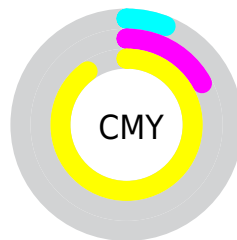


Cyan (0%)

Magenta (11%)

Yellow (89%)

Black (6%)



Cyan (6%)

Magenta (17%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 82.606, 94.879 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 85, 82.606, 94.879 by changing the saturation by 10% instead.

 85, 82.606, 94.879

 85, 82.606, 94.879

 100, 82.606,
94.879

 75, 82.606, 94.879

 65, 82.606, 94.879

 55, 82.606, 94.879

 45, 82.606, 94.879

 35, 82.606, 94.879

 25, 82.606, 94.879

 15, 82.606, 94.879

 5, 82.606, 94.879

 0, 82.606, 94.879

■ 85, 82.606, 94.879

■ 85, 82.606, 94.879

■ 84, 84.608, 93.908

■ 86, 78.000, 95.866

■ 84, 84.704, 93.845

■ 87, 71.018, 96.888

■ 88, 62.361, 97.953

■ 89, 52.654, 99.053

■ 90, 42.343,
100.172

■ 91, 31.710,
101.296

■ 92, 20.930,
102.410

■ 93, 10.104,
103.501

■ 95, 0.707, 284.776

Harmonies

Complementary

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



85, 82.606, 94.879



36, 110.613, 302.644

Rectangle

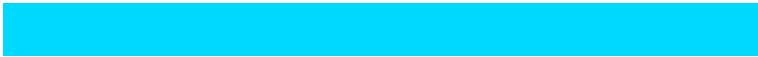
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 82.606, 94.879



85, 82.606, 144.879



85, 82.606, 274.879



85, 82.606, 324.879

Sweetspot

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



85, 82.605, 94.881



96, 30.680, 101.549



51, 86.266, 29.757



51, 20.657, 101.165



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 82.605, 94.881



89, 88.740, 93.812



87, 96.189, 122.044



50, 6.137, 103.488



66, 69.442, 94.012



20, 28.661, 95.735

Inverse Universe

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



36, 110.613, 302.644



35, 126.847, 304.797



38, 116.727, 309.516



46, 6.238, 285.606



24, 97.865, 304.436



4, 34.512, 296.421

Previews

White Background



This preview shows how the CIELCh color 85, 82.606, 94.879 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 85, 82.606, 94.879 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 85, 82.606, 94.879

Background



This preview shows how black text looks on a background with the CIELCh color 85, 82.606, 94.879.



This preview shows how white text looks on a background with the CIELCh color 85, 82.606, 94.879.

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

85, 82.606, 94.879

Protanopia

85, 82.536, 95.180

Deuteranopia

85, 50.416, 80.724



Tritanopia
85, 21.447, 359.752

Trichromacy



Original Color
85, 82.606, 94.879

Protanomaly
85, 82.536, 95.180

Deuteranomaly
85, 64.497, 88.324

Tritanomaly
84, 35.902, 76.407

Monochromacy



Original Color
85, 82.606, 94.879

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 35.748, 100.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 82.606, 94.879 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(240, 213, 26)` looks like.

```
.text, #text, p{  
    color:rgb(240, 213, 26)  
}
```

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(240, 213, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 213, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 82.606, 94.879 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(240, 213, 26) }
```

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

```
.border{ border-color:rgb(240, 213, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 213, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 213, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 213, 26);  
box-shadow:4px 4px 4px 4px rgb(240, 213,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 82.606, 94.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 213, 26) }
```

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

```
.background{ background-color: rgb(240,  
213, 26) }
```

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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