

Converting Colors

CIELCh(79, 80.824, 86.026)

Have a look what the booklet for
CIELCh(79, 80.824, 86.026) contains.

CIELCh(79, 80.909, 86.139)	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(79, 80.909, 86.139)

Conversions

Conversions Part 1

Format	Color
Hex	F1BD02
RGB	241, 189, 2
RGB Percent	95%, 74%, 1%
CMY	0.0561, 0.2599, 0.9914
CMYK	0.00, 0.22, 0.99, 0.06
HSL	47°, 98%, 48%
HSV	47°, 99%, 94%
XYZ	54.3195, 54.9284, 7.8013
YIQ	183.2300, 91.0190, -47.1330

Conversions

Conversions Part 2

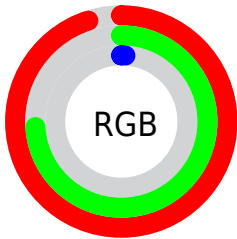
Format	Color
RYB	68, 241, 2
Decimal	15842562
CIELab	79.00, 5.45, 80.73
CIElCh	79, 80.909, 86.139
Yxy	54.9284, 0.4641, 0.4693
Android (android.graphics.Color)	4294032642 (0xFFFF1BD02)
YUV	183.2300, -89.3464, 50.6643
Hunter-Lab	74.1137, 1.1275, 45.6386

Details

The CIELCh color **79, 80.909, 86.139** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **36, 110.530, 302.064**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 76.500, 101.038**, and **59, 64.672, 83.962** is the 20% darker color. If you saturate the color by 10%, you get **79, 81.061, 85.987**, and if you desaturate by 10%, it is **80, 78.668, 87.817**.

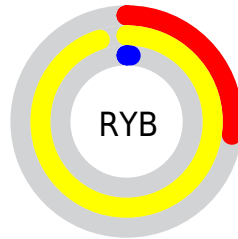
Distribution



Red (95%)

Green (74%)

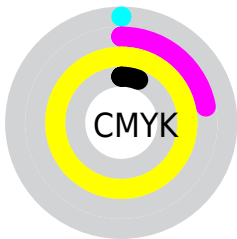
Blue (1%)



Red (27%)

Yellow (95%)

Blue (1%)

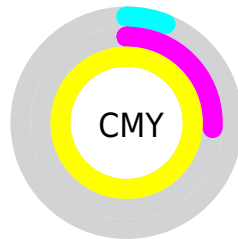


Cyan (0%)

Magenta (22%)

Yellow (99%)

Black (6%)



Cyan (6%)

Magenta (26%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 80.909, 86.139 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 79, 80.909, 86.139 by changing the saturation by 10% instead.

 79, 80.909, 86.139

 79, 80.909, 86.139

 100, 80.909,
86.139

 69, 80.909, 86.139

 99, 80.909, 86.139

 59, 80.909, 86.139

 49, 80.909, 86.139

 39, 80.909, 86.139

 29, 80.909, 86.139

 19, 80.909, 86.139

 9, 80.909, 86.139

 0, 80.909, 86.139

 79, 80.909, 86.139

 79, 80.909, 86.139

79, 81.061, 85.987

80, 78.668, 87.817

82, 73.757, 89.307

83, 66.610, 90.687

85, 58.024, 92.012

86, 48.629, 93.308

88, 38.832, 94.583

90, 28.872, 95.836

91, 18.886, 97.059

93, 8.950, 98.240

Harmonies

Complementary

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



79, 80.909, 86.139



36, 110.530, 302.064

Rectangle

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



79, 80.909, 86.139



79, 80.909, 136.139



79, 80.909, 266.139



79, 80.909, 316.139

Sweetspot

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



79, 80.908, 86.142



94, 31.205, 95.712



51, 87.281, 27.391



49, 21.303, 95.184



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 80.908, 86.142



83, 84.662, 85.926



88, 96.775, 118.364



49, 5.575, 98.196



62, 66.266, 86.318



19, 26.574, 88.844

Inverse Universe

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



36, 110.530, 302.064



38, 116.743, 302.363



33, 124.757, 307.791



47, 5.632, 280.488



27, 89.603, 301.820



5, 32.083, 294.361

Previews

White Background



This preview shows how the CIELCh color 79, 80.909, 86.139 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 79, 80.909, 86.139 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 79, 80.909, 86.139

Background



This preview shows how black text looks on a background with the CIELCh color 79, 80.909, 86.139.



This preview shows how white text looks on a background with the CIELCh color 79, 80.909, 86.139.

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

79, 81.008, 86.149

Protanopia

79, 79.145, 94.887

Deuteranopia

79, 80.554, 82.788



Tritanopia
79, 29.560, 7.641

Trichromacy



Original Color
79, 81.008, 86.149

Protanomaly
79, 79.486, 91.589

Deuteranomaly
79, 80.588, 84.110

Tritanomaly
78, 43.336, 65.802

Monochromacy



Original Color
79, 81.008, 86.149

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 37.006, 94.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 80.909, 86.139 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(241, 189, 2)` looks like.

```
.text, #text, p{  
    color:rgb(241, 189, 2)  
}
```

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(241, 189, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 189, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 80.909, 86.139 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(241, 189, 2) }
```

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

```
.border{ border-color:rgb(241, 189, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 189, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 189, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 189, 2);  
box-shadow:4px 4px 4px 4px rgb(241, 189,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 80.909, 86.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 189, 2) }
```

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

```
.background{ background-color: rgb(241,  
189, 2) }
```

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