

Converting Colors

CIELCh(85, 80.371, 88.032)

Have a look what the booklet for
CIELCh(85, 80.371, 88.032) contains.

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Color

CIELCh(85, 80.461, 88.122)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF26
RGB	255, 207, 38
RGB Percent	100%, 81%, 15%
CMY	0.0001, 0.1883, 0.8511
CMYK	0.00, 0.19, 0.85, 0.00
HSL	47°, 100%, 57%
HSV	47°, 85%, 100%
XYZ	63.8846, 66.0070, 11.2039
YIQ	202.0860, 82.8570, -42.3830

Conversions

Conversions Part 2

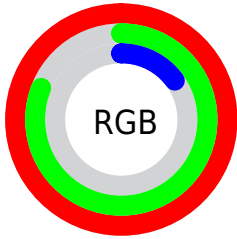
Format	Color
RYB	100, 255, 38
Decimal	16764710
CIELab	85.00, 2.64, 80.42
CIELCh	85, 80.461, 88.122
Yxy	66.0070, 0.4528, 0.4678
Android (android.graphics.Color)	4294954790 (0xFFFFCF26)
YUV	202.0860, -80.8944, 46.4056
Hunter-Lab	81.2447, -1.8196, 48.6950

Details

The CIELCh color **85, 80.461, 88.122** 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 **45, 98.935, 297.995**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 73.258, 104.580**, and **65, 69.057, 87.185** is the 20% darker color. If you saturate the color by 10%, you get **84, 83.779, 86.490**, and if you desaturate by 10%, it is **87, 74.327, 89.585**.

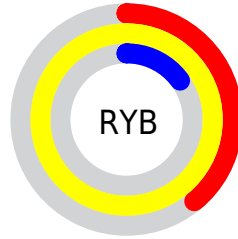
Distribution



Red (100%)

Green (81%)

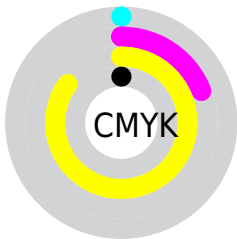
Blue (15%)



Red (39%)

Yellow (100%)

Blue (15%)

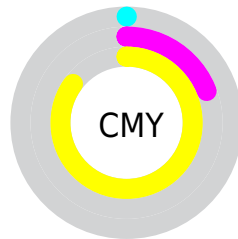


Cyan (0%)

Magenta (19%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 80.461, 88.122 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, 80.461, 88.122 by changing the saturation by 10% instead.

 85, 80.461, 88.122

 85, 80.461, 88.122

 100, 80.461,
88.122

 75, 80.461, 88.122

 65, 80.461, 88.122

 55, 80.461, 88.122

 45, 80.461, 88.122

 35, 80.461, 88.122

 25, 80.461, 88.122

 15, 80.461, 88.122

 5, 80.461, 88.122

 0, 80.461, 88.122

85, 80.461, 88.122

85, 80.461, 88.122

84, 83.779, 86.490

87, 74.327, 89.585

83, 84.544, 85.624

88, 66.172, 90.953

90, 56.795, 92.277

91, 46.764, 93.576

93, 36.430, 94.851

95, 25.998, 96.101

97, 15.579, 97.317

99, 5.234, 98.476

100, 0.015,
250.348

Harmonies

Complementary

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



85, 80.461, 88.122



45, 98.935, 297.995

Rectangle

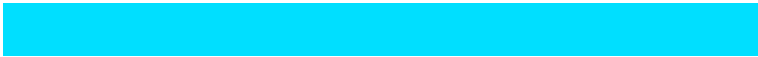
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 80.461, 88.122



85, 80.461, 138.122



85, 80.461, 268.122



85, 80.461, 318.122

Sweetspot

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



85, 80.460, 88.125



95, 26.931, 95.991



55, 83.045, 20.026



50, 18.273, 95.560



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, 80.460, 88.125



83, 84.552, 85.624



93, 96.096, 117.242



52, 5.845, 97.978



64, 68.203, 85.967



21, 30.022, 88.207

Inverse Universe

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



45, 98.935, 297.995



38, 116.309, 302.251



40, 120.629, 307.757



50, 5.904, 280.291



28, 92.249, 301.780



6, 36.843, 296.943

Previews

White Background



This preview shows how the CIELCh color 85, 80.461, 88.122 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, 80.461, 88.122 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, 80.461, 88.122

Background



This preview shows how black text looks on a background with the CIELCh color 85, 80.461, 88.122.



This preview shows how white text looks on a background with the CIELCh color 85, 80.461, 88.122.

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, 80.461, 88.122

Protanopia

85, 79.684, 95.151

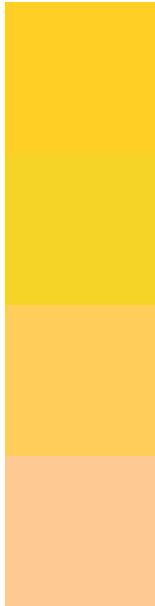
Deuteranopia

85, 49.964, 80.547



Tritanopia
85, 22.506, 5.117

Trichromacy



Original Color
85, 80.461, 88.122

Protanomaly
85, 79.927, 92.596

Deuteranomaly
85, 62.900, 84.812

Tritanomaly
85, 36.463, 70.073

Monochromacy



Original Color
85, 80.461, 88.122

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 33.211, 95.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 80.461, 88.122 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, 207, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 38)  
}
```

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, 207, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 80.461, 88.122 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, 207, 38) }
```

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

```
.border{ border-color:rgb(255, 207, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 80.461, 88.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 38) }
```

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

```
.background{ background-color: rgb(255,  
207, 38) }
```

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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