

Converting Colors

CIELCh(81, 82.909, 85.962)

Have a look what the booklet for
CIELCh(81, 82.909, 85.962) contains.

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Color

CIELCh(81, 82.909, 85.962)

Conversions

Conversions Part 1

Format	Color
Hex	F8C200
RGB	248, 194, 0
RGB Percent	97%, 76%, 0%
CMY	0.0279, 0.2396, 1.0000
CMYK	0.00, 0.22, 1.00, 0.03
HSL	47°, 100%, 49%
HSV	47°, 100%, 97%
XYZ	57.9358, 58.4711, 8.2230
YIQ	188.0300, 94.4580, -48.8860

Conversions

Conversions Part 2

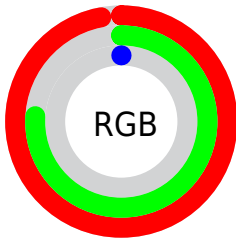
Format	Color
RYB	69, 248, 0
Decimal	16302592
CIELab	81.00, 5.84, 82.70
CIELCh	81, 82.909, 85.962
Yxy	58.4711, 0.4649, 0.4692
Android (android.graphics.Color)	4294492672 (0xFFFF8C200)
YUV	188.0300, -92.6988, 52.5937
Hunter-Lab	76.4664, 1.4267, 47.1506

Details

The CIELCh color **81, 82.909, 85.962** 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, 114.124, 302.326**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 78.259, 102.597**, and **61, 66.310, 84.137** is the 20% darker color. If you saturate the color by 10%, you get **81, 82.878, 85.961**, and if you desaturate by 10%, it is **82, 80.807, 87.655**.

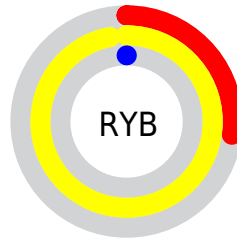
Distribution



Red (97%)

Green (76%)

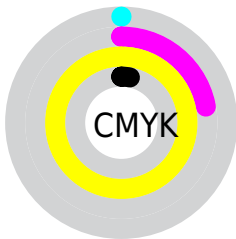
Blue (0%)



Red (27%)

Yellow (97%)

Blue (0%)

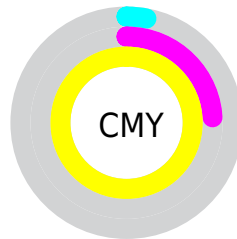


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 82.909, 85.962 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 81, 82.909, 85.962 by changing the saturation by 10% instead.



81, 82.909, 85.962

81, 82.909, 85.962

81, 82.878, 85.961

82, 80.807, 87.655

84, 76.062, 89.165

85, 68.938, 90.554

87, 60.260, 91.885

88, 50.699, 93.186

90, 40.691, 94.465

92, 30.499, 95.722

94, 20.270, 96.950

96, 10.086, 98.138

Harmonies

Complementary

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



81, 82.909, 85.962



37, 114.124, 302.326

Rectangle

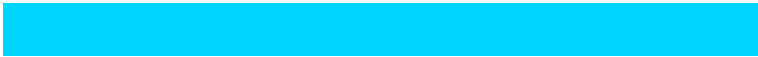
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 82.909, 85.962



81, 82.909, 135.962



81, 82.909, 265.962



81, 82.909, 315.962

Sweetspot

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



81, 82.878, 85.961



94, 31.207, 95.716



52, 89.833, 27.967



49, 21.304, 95.189



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 82.878, 85.961



83, 84.665, 85.932



90, 99.202, 118.474



51, 5.769, 98.196



63, 67.621, 86.286



20, 28.953, 88.593

Inverse Universe

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



37, 114.124, 302.326



38, 116.751, 302.366



34, 128.061, 307.770



49, 5.829, 280.497



27, 91.614, 301.875



6, 35.409, 296.332

Previews

White Background



This preview shows how the CIELCh color 81, 82.909, 85.962 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 81, 82.909, 85.962 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 81, 82.909, 85.962

Background



This preview shows how black text looks on a background with the CIELCh color 81, 82.909, 85.962.



This preview shows how white text looks on a background with the CIELCh color 81, 82.909, 85.962.

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


81, 82.909, 85.962

Protanopia

81, 80.978, 95.110

Deuteranopia

81, 82.322, 82.672



Tritanopia
81, 28.939, 8.336

Trichromacy



Original Color
81, 82.909, 85.962

Protanomaly
81, 81.375, 91.596

Deuteranomaly
81, 82.430, 83.970

Tritanomaly
80, 44.397, 67.782

Monochromacy



Original Color
81, 82.909, 85.962

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 37.947, 93.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 82.909, 85.962 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(248, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 194, 0)  
}
```

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(248, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 194, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 82.909, 85.962 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(248, 194, 0) }
```

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

```
.border{ border-color:rgb(248, 194, 0) }
```

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

Here you see how a box with a 4 pixel rgb(248, 194, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 194,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 82.909, 85.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 194, 0) }
```

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

```
.background{ background-color: rgb(248,  
194, 0) }
```

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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