

Converting Colors

CIELCh(83, 82.816, 85.590)

Have a look what the booklet for
CIELCh(83, 82.816, 85.590) contains.

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Color

CIELCh(83, 82.807, 85.564)

Conversions

Conversions Part 1

Format	Color
Hex	FFC712
RGB	255, 199, 18
RGB Percent	100%, 78%, 7%
CMY	0.0000, 0.2195, 0.9292
CMYK	0.00, 0.22, 0.93, 0.00
HSL	46°, 100%, 54%
HSV	46°, 93%, 100%
XYZ	61.7845, 62.1629, 9.3165
YIQ	195.1100, 91.4770, -44.4190

Conversions

Conversions Part 2

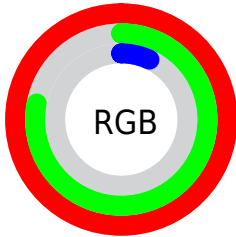
Format	Color
R _Y B	91, 255, 18
Decimal	16762642
CIE Lab	83.00, 6.40, 82.56
CIE LCh	83, 82.807, 85.564
Yxy	62.1629, 0.4636, 0.4665
Android (android.graphics.Color)	4294952722 (0xFFFFC712)
YUV	195.1100, -87.3152, 52.5235
Hunter-Lab	78.8435, 1.9028, 48.1845

Details

The CIELCh color **83, 82.807, 85.564** 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 **42, 106.363, 299.728**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.517, 104.262**, and **63, 68.110, 83.937** is the 20% darker color. If you saturate the color by 10%, you get **82, 84.084, 84.239**, and if you desaturate by 10%, it is **85, 78.741, 87.254**.

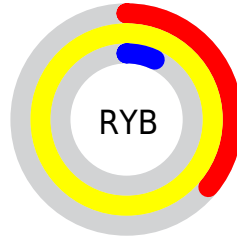
Distribution



Red (100%)

Green (78%)

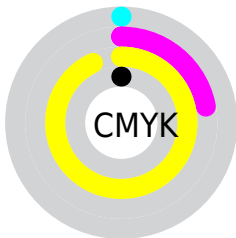
Blue (7%)



Red (36%)

Yellow (100%)

Blue (7%)

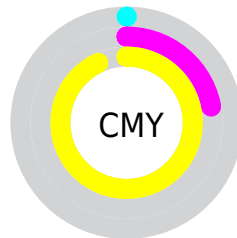


Cyan (0%)

Magenta (22%)

Yellow (93%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 82.807, 85.564 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 83, 82.807, 85.564 by changing the saturation by 10% instead.

 83, 82.807, 85.564

 83, 82.807, 85.564

 100, 82.807,
85.564

 73, 82.807, 85.564

 63, 82.807, 85.564

 53, 82.807, 85.564

 43, 82.807, 85.564

 33, 82.807, 85.564

 23, 82.807, 85.564

 13, 82.807, 85.564

 3, 82.807, 85.564

 0, 82.807, 85.564

83, 82.807, 85.564

83, 82.807, 85.564

82, 84.084, 84.239

85, 78.741, 87.254

86, 72.032, 88.752

88, 63.532, 90.151

90, 54.002, 91.501

91, 43.949, 92.819

93, 33.679, 94.111

95, 23.365, 95.372

97, 13.100, 96.594

99, 2.933, 97.727

Harmonies

Complementary

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



83, 82.807, 85.564



42, 106.363, 299.728

Rectangle

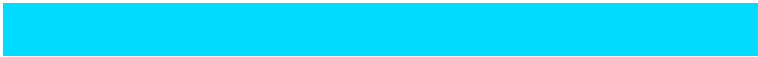
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 82.807, 85.564



83, 82.807, 135.564



83, 82.807, 265.564



83, 82.807, 315.564

Sweetspot

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



83, 82.803, 85.572



94, 28.606, 94.735



54, 87.128, 22.743



49, 19.775, 94.187



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 82.803, 85.572



82, 84.084, 84.239



93, 99.045, 116.960



52, 5.753, 96.999



63, 67.821, 84.611



21, 29.717, 86.969

Inverse Universe

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



42, 106.363, 299.728



39, 114.288, 301.715



36, 127.417, 307.670



50, 5.804, 279.341



29, 90.597, 301.221



6, 36.233, 296.413

Previews

White Background



This preview shows how the CIELCh color 83, 82.807, 85.564 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 83, 82.807, 85.564 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 83, 82.807, 85.564

Background



This preview shows how black text looks on a background with the CIELCh color 83, 82.807, 85.564.



This preview shows how white text looks on a background with the CIELCh color 83, 82.807, 85.564.

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

83, 82.807, 85.564

Protanopia

83, 81.306, 94.972

Deuteranopia

83, 63.158, 81.740



Tritanopia
83, 25.648, 7.427

Trichromacy



Original Color
83, 82.807, 85.564

Protanomaly
83, 81.472, 91.482

Deuteranomaly
83, 72.240, 83.675

Tritanomaly
82, 41.187, 68.174

Monochromacy



Original Color
83, 82.807, 85.564

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 35.361, 92.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 82.807, 85.564 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, 199, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 18)  
}
```

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, 199, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 82.807, 85.564 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, 199, 18) }
```

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

```
.border{ border-color:rgb(255, 199, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 82.807, 85.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 18) }
```

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

```
.background{ background-color: rgb(255,  
199, 18) }
```

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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