

Converting Colors

CIELCh(85, 79.354, 87.934)

Have a look what the booklet for
CIELCh(85, 79.354, 87.934) contains.

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Color

CIELCh(85, 79.247, 88.005)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF2B
RGB	255, 207, 43
RGB Percent	100%, 81%, 17%
CMY	0.0003, 0.1885, 0.8317
CMYK	0.00, 0.19, 0.83, 0.00
HSL	46°, 100%, 58%
HSV	46°, 83%, 100%
XYZ	63.9380, 66.0070, 11.6467
YIQ	202.6560, 81.2520, -40.8280

Conversions

Conversions Part 2

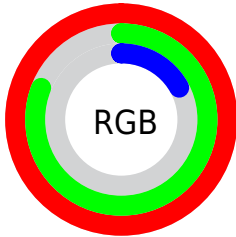
Format	Color
R _Y B	105, 255, 43
Decimal	16764715
CIE Lab	85.00, 2.76, 79.20
CIE LCh	85, 79.247, 88.005
Yxy	66.0070, 0.4516, 0.4662
Android (android.graphics.Color)	4294954795 (0xFFFFCF2B)
YUV	202.6560, -78.7104, 45.9057
Hunter-Lab	81.2447, -1.7023, 48.3719

Details

The CIELCh color **85, 79.247, 88.005** 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 **46, 95.799, 297.148**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 72.048, 104.671**, and **65, 69.057, 87.185** is the 20% darker color. If you saturate the color by 10%, you get **84, 83.180, 86.382**, and if you desaturate by 10%, it is **87, 72.633, 89.467**.

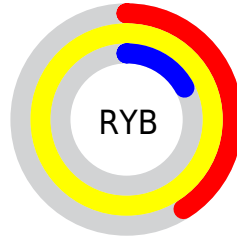
Distribution



Red (100%)

Green (81%)

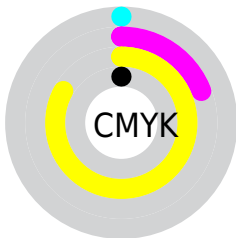
Blue (17%)



Red (41%)

Yellow (100%)

Blue (17%)

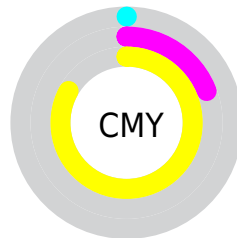


Cyan (0%)

Magenta (19%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 79.247, 88.005 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, 79.247, 88.005 by changing the saturation by 10% instead.

 85, 79.247, 88.005

 85, 79.247, 88.005

 100, 79.247,
88.005

 75, 79.247, 88.005

 65, 79.247, 88.005

 55, 79.247, 88.005

 45, 79.247, 88.005

 35, 79.247, 88.005

 25, 79.247, 88.005

 15, 79.247, 88.005

 5, 79.247, 88.005

 0, 79.247, 88.005

85, 79.247, 88.005

85, 79.247, 88.005

84, 83.180, 86.382

87, 72.633, 89.467

83, 84.363, 85.151

88, 64.182, 90.839

90, 54.653, 92.169

92, 44.567, 93.472

93, 34.238, 94.750

95, 23.846, 96.000

97, 13.489, 97.214

99, 3.219, 98.346

100, 0.030,
221.785

Harmonies

Complementary

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



85, 79.247, 88.005



46, 95.799, 297.148

Rectangle

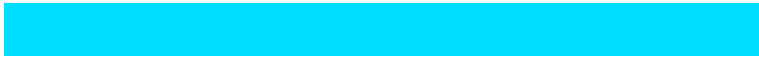
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 79.247, 88.005



85, 79.247, 138.005



85, 79.247, 268.005



85, 79.247, 318.005

Sweetspot

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



85, 79.246, 88.008



95, 25.757, 95.773



56, 81.713, 19.078



50, 17.593, 95.336



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, 79.246, 88.008



83, 84.384, 85.150



93, 94.985, 117.150



52, 5.813, 97.645



64, 68.067, 85.503



21, 29.915, 87.785

Inverse Universe

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



46, 95.799, 297.148



38, 115.624, 302.071



41, 118.601, 307.674



50, 5.869, 279.968



28, 91.688, 301.593



6, 36.637, 296.767

Previews

White Background



This preview shows how the CIELCh color 85, 79.247, 88.005 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, 79.247, 88.005 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, 79.247, 88.005

Background



This preview shows how black text looks on a background with the CIELCh color 85, 79.247, 88.005.



This preview shows how white text looks on a background with the CIELCh color 85, 79.247, 88.005.

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, 79.247, 88.005

Protanopia

85, 78.688, 95.137

Deuteranopia

85, 49.510, 80.365



Tritanopia
85, 22.506, 5.117

Trichromacy



Original Color
85, 79.247, 88.005

Protanomaly
85, 78.691, 92.542

Deuteranomaly
85, 62.063, 84.633

Tritanomaly
85, 35.606, 69.214

Monochromacy



Original Color
85, 79.247, 88.005

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 31.796, 94.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 79.247, 88.005 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 79.247, 88.005 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, 43) }
```

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

```
.border{ border-color:rgb(255, 207, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 79.247, 88.005 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, 43) }
```

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

```
.background{ background-color: rgb(255,  
207, 43) }
```

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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