

Converting Colors

CIELCh(85, 78.272, 87.548)

Have a look what the booklet for
CIELCh(85, 78.272, 87.548) contains.

CIELCh(85, 78.190, 87.899)	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(85, 78.190, 87.899)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF2F
RGB	255, 207, 47
RGB Percent	100%, 81%, 18%
CMY	0.0005, 0.1887, 0.8162
CMYK	0.00, 0.19, 0.82, 0.00
HSL	46°, 100%, 59%
HSV	46°, 82%, 100%
XYZ	63.9852, 66.0070, 12.0418
YIQ	203.1120, 79.9680, -39.5840

Conversions

Conversions Part 2

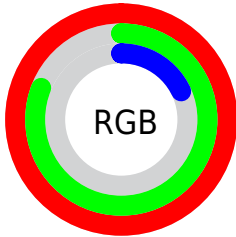
Format	Color
R _Y B	109, 255, 47
Decimal	16764719
CIE Lab	85.00, 2.87, 78.14
CIE LCh	85, 78.190, 87.899
Yxy	66.0070, 0.4505, 0.4647
Android (android.graphics.Color)	4294954799 (0xFFFFCF2F)
YUV	203.1120, -76.9632, 45.5058
Hunter-Lab	81.2447, -1.5986, 48.0836

Details

The CIELCh color **85, 78.190, 87.899** 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 **47, 93.272, 296.449**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 70.820, 104.763**, and **65, 69.057, 87.185** is the 20% darker color. If you saturate the color by 10%, you get **83, 82.605, 86.283**, and if you desaturate by 10%, it is **87, 71.219, 89.360**.

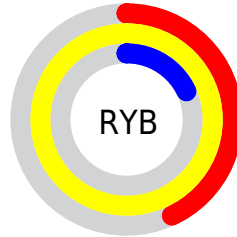
Distribution



Red (100%)

Green (81%)

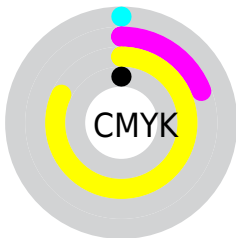
Blue (18%)



Red (43%)

Yellow (100%)

Blue (18%)

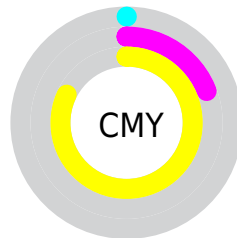


Cyan (0%)

Magenta (19%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 78.190, 87.899 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, 78.190, 87.899 by changing the saturation by 10% instead.

 85, 78.190, 87.899

 85, 78.190, 87.899

 100, 78.190,
87.899

 75, 78.190, 87.899

 65, 78.190, 87.899

 55, 78.190, 87.899

 45, 78.190, 87.899

 35, 78.190, 87.899

 25, 78.190, 87.899

 15, 78.190, 87.899

 5, 78.190, 87.899

 0, 78.190, 87.899

85, 78.190, 87.899

85, 78.190, 87.899

83, 82.605, 86.283

87, 71.219, 89.360

82, 84.217, 84.755

88, 62.555, 90.736

90, 52.924, 92.070

92, 42.807, 93.376

94, 32.490, 94.656

96, 22.136, 95.906

98, 11.833, 97.117

100, 1.626, 98.185

100, 0.047,
213.721

Harmonies

Complementary

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



85, 78.190, 87.899



47, 93.272, 296.449

Rectangle

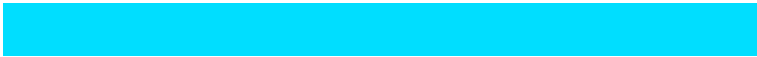
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 78.190, 87.899



85, 78.190, 137.899



85, 78.190, 267.899



85, 78.190, 317.899

Sweetspot

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



85, 78.189, 87.902



95, 24.614, 95.611



56, 80.609, 18.344



50, 16.932, 95.166



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, 78.189, 87.902



83, 83.923, 85.123



93, 94.022, 117.088



52, 5.787, 97.365



63, 67.957, 85.116



21, 29.828, 87.430

Inverse Universe

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



47, 93.272, 296.449



39, 112.895, 301.405



41, 116.877, 307.595



50, 5.841, 279.696



28, 91.215, 301.433



6, 36.462, 296.615

Previews

White Background



This preview shows how the CIELCh color 85, 78.190, 87.899 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, 78.190, 87.899 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, 78.190, 87.899

Background



This preview shows how black text looks on a background with the CIELCh color 85, 78.190, 87.899.



This preview shows how white text looks on a background with the CIELCh color 85, 78.190, 87.899.

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, 78.190, 87.899

Protanopia

85, 77.615, 95.120

Deuteranopia

85, 49.510, 80.365



Tritanopia
85, 22.506, 5.117

Trichromacy



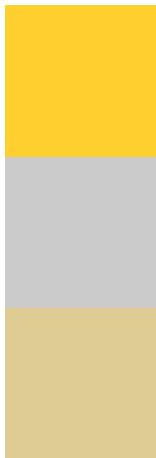
Original Color
85, 78.190, 87.899

Protanomaly
85, 77.616, 92.492

Deuteranomaly
85, 61.218, 84.446

Tritanomaly
85, 35.180, 68.767

Monochromacy



Original Color
85, 78.190, 87.899

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 31.293, 93.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 78.190, 87.899 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 78.190, 87.899 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, 47) }
```

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

```
.border{ border-color:rgb(255, 207, 47) }
```

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, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 78.190, 87.899 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, 47) }
```

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

```
.background{ background-color: rgb(255,  
207, 47) }
```

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