

Converting Colors

CIELCh(85, 76.914, 87.492)

Have a look what the booklet for
CIELCh(85, 76.914, 87.492) contains.

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Color

CIELCh(85, 77.059, 87.780)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF33
RGB	255, 207, 51
RGB Percent	100%, 81%, 20%
CMY	0.0007, 0.1889, 0.8008
CMYK	0.00, 0.19, 0.80, 0.00
HSL	46°, 100%, 60%
HSV	46°, 80%, 100%
XYZ	64.0371, 66.0070, 12.4744
YIQ	203.5680, 78.6840, -38.3400

Conversions

Conversions Part 2

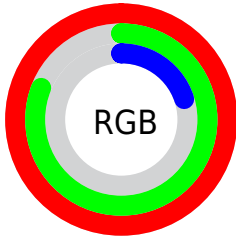
Format	Color
R_{YB}	114, 255, 51
Decimal	16764723
CIE _{Lab}	85.00, 2.99, 77.00
CIE _{LCh}	85, 77.059, 87.780
Yxy	66.0070, 0.4493, 0.4631
Android (android.graphics.Color)	4294954803 (0xFFFFCF33)
YUV	203.5680, -75.2160, 45.1059
Hunter-Lab	81.2447, -1.4845, 47.7678

Details

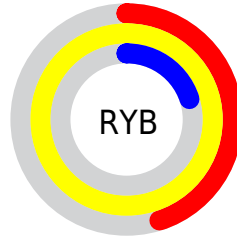
The CIELCh color **85, 77.059, 87.780** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **48, 90.733, 295.731**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 69.574, 104.857**, and **65, 69.202, 86.818** is the 20% darker color. If you saturate the color by 10%, you get **83, 81.944, 86.171**, and if you desaturate by 10%, it is **87, 69.755, 89.241**.

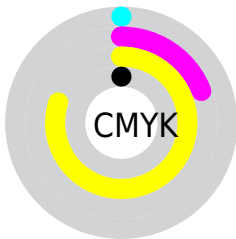
Distribution



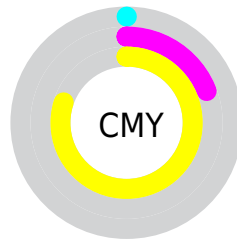
- Red (100%)
- Green (81%)
- Blue (20%)



- Red (45%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (19%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (19%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 77.059, 87.780 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, 77.059, 87.780 by changing the saturation by 10% instead.

 85, 77.059, 87.780

 85, 77.059, 87.780

 100, 77.059,
87.780

 75, 77.059, 87.780

 65, 77.059, 87.780

 55, 77.059, 87.780

 45, 77.059, 87.780

 35, 77.059, 87.780

 25, 77.059, 87.780

 15, 77.059, 87.780

 5, 77.059, 87.780

 0, 77.059, 87.780

85, 77.059, 87.780

85, 77.059, 87.780

83, 81.944, 86.171

87, 69.755, 89.241

82, 84.069, 84.341

88, 60.900, 90.620

90, 51.181, 91.958

92, 41.043, 93.267

94, 30.746, 94.548

96, 20.436, 95.798

98, 10.191, 97.005

100, 0.051, 93.997

100, 0.065,
209.660

Harmonies

Complementary

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



85, 77.059, 87.780



48, 90.733, 295.731

Rectangle

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



85, 77.059, 87.780



85, 77.059, 137.780



85, 77.059, 267.780



85, 77.059, 317.780

Sweetspot

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



85, 77.058, 87.783



95, 24.507, 95.310



57, 79.097, 16.255



50, 16.859, 94.864



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, 77.058, 87.783



83, 83.467, 85.095



94, 92.649, 116.253



52, 5.760, 97.071



63, 67.847, 84.710



21, 29.738, 87.059

Inverse Universe

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



48, 90.733, 295.731



40, 110.056, 300.678



42, 115.287, 307.214



50, 5.812, 279.410



29, 90.719, 301.263



6, 36.278, 296.453

Previews

White Background



This preview shows how the CIELCh color 85, 77.059, 87.780 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, 77.059, 87.780 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, 77.059, 87.780

Background



This preview shows how black text looks on a background with the CIELCh color 85, 77.059, 87.780.



This preview shows how white text looks on a background with the CIELCh color 85, 77.059, 87.780.

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, 77.059, 87.780

Protanopia

85, 76.468, 95.100

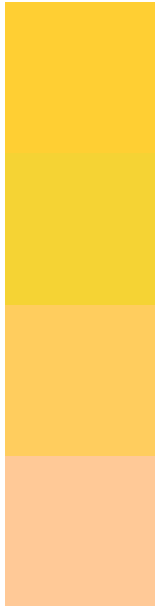
Deuteranopia

85, 49.510, 80.365



Tritanopia
85, 22.506, 5.117

Trichromacy



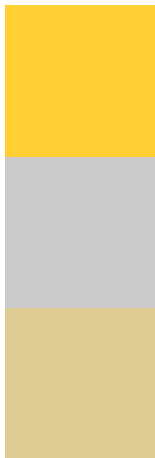
Original Color
85, 77.059, 87.780

Protanomaly
85, 76.468, 92.435

Deuteranomaly
85, 60.793, 84.349

Tritanomaly
85, 34.757, 68.307

Monochromacy



Original Color
85, 77.059, 87.780

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 30.286, 93.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 77.059, 87.780 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 77.059, 87.780 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".

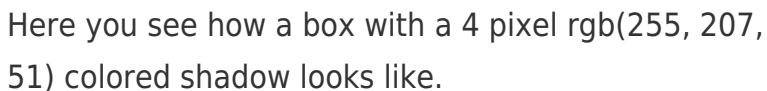
```
.border, #border, table{ border:4px solid rgb(255, 207, 51) }
```

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

```
.border{ border-color:rgb(255, 207, 51) }
```

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, 51)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 77.059, 87.780 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
207, 51) }
```

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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