

Converting Colors

CIELCh(85, 77.519, 87.316)

Have a look what the booklet for
CIELCh(85, 77.519, 87.316) contains.

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Color

CIELCh(85, 77.441, 87.457)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF32
RGB	255, 207, 50
RGB Percent	100%, 81%, 20%
CMY	0.0000, 0.1900, 0.8052
CMYK	0.00, 0.19, 0.81, 0.00
HSL	46°, 100%, 60%
HSV	46°, 81%, 100%
XYZ	64.2349, 66.0070, 12.3349
YIQ	203.4540, 79.0050, -38.6510

Conversions

Conversions Part 2

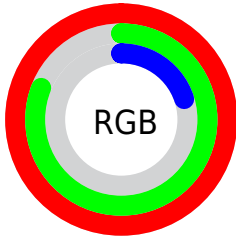
Format	Color
R _Y B	113, 255, 50
Decimal	16764722
CIE Lab	85.00, 3.44, 77.36
CIE LCh	85, 77.441, 87.457
Yxy	66.0070, 0.4505, 0.4630
Android (android.graphics.Color)	4294954802 (0xFFFFCF32)
YUV	203.4540, -75.6528, 45.2058
Hunter-Lab	81.2447, -1.0498, 47.8697

Details

The CIELCh color **85, 77.441, 87.457** 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, 91.258, 295.839**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 69.991, 104.826**, and **65, 69.202, 86.818** is the 20% darker color. If you saturate the color by 10%, you get **83, 82.117, 86.021**, and if you desaturate by 10%, it is **87, 70.138, 89.114**.

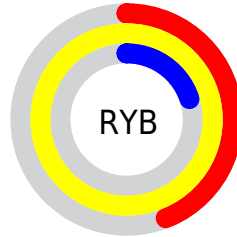
Distribution



Red (100%)

Green (81%)

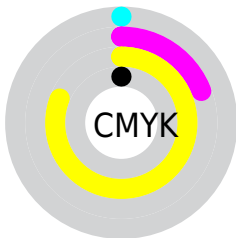
Blue (20%)



Red (44%)

Yellow (100%)

Blue (20%)

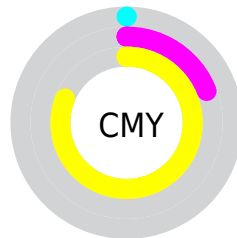


Cyan (0%)

Magenta (19%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 77.441, 87.457 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, 77.441, 87.457 by changing the saturation by 10% instead.

 85, 77.441, 87.457

 85, 77.441, 87.457

 100, 77.441,
87.457

 75, 77.441, 87.457

 65, 77.441, 87.457

 55, 77.441, 87.457

 45, 77.441, 87.457

 35, 77.441, 87.457

 25, 77.441, 87.457

 15, 77.441, 87.457

 5, 77.441, 87.457

 0, 77.441, 87.457

85, 77.441, 87.457

85, 77.441, 87.457

83, 82.117, 86.021

87, 70.138, 89.114

82, 84.092, 84.265

88, 61.331, 90.498

90, 51.637, 91.839

92, 41.510, 93.150

94, 31.215, 94.434

96, 20.905, 95.686

98, 10.657, 96.897

100, 0.514, 97.681

100, 0.012,
296.813

Harmonies

Complementary

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



85, 77.441, 87.457



48, 91.258, 295.839

Rectangle

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



85, 77.441, 87.457



85, 77.441, 137.457



85, 77.441, 267.457



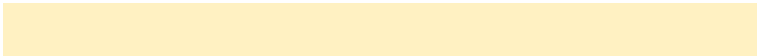
85, 77.441, 317.457

Sweetspot

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



85, 77.355, 87.647



95, 24.487, 95.255



57, 79.468, 16.464



50, 16.846, 94.808



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, 77.355, 87.647



82, 83.598, 84.832



94, 93.006, 116.265



52, 5.755, 97.017



63, 67.827, 84.636



21, 29.722, 86.991

Inverse Universe

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



48, 91.258, 295.839



40, 111.060, 300.929



42, 115.897, 307.245



50, 5.806, 279.358



29, 90.628, 301.232



6, 36.244, 296.423

Previews

White Background



This preview shows how the CIELCh color 85, 77.441, 87.457 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, 77.441, 87.457 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, 77.441, 87.457

Background



This preview shows how black text looks on a background with the CIELCh color 85, 77.441, 87.457.

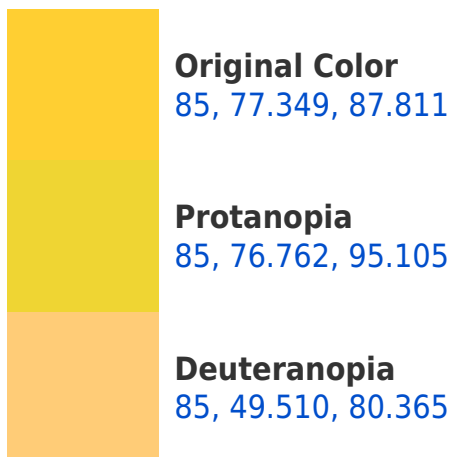


This preview shows how white text looks on a background with the CIELCh color 85, 77.441, 87.457.

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





Tritanopia
85, 22.407, 6.416

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 77.441, 87.457 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 77.441, 87.457 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, 50) }
```

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

```
.border{ border-color:rgb(255, 207, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 77.441, 87.457 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, 50) }
```

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

```
.background{ background-color: rgb(255,  
207, 50) }
```

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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