

Converting Colors

CIELCh(85, 76.643, 86.938)

Have a look what the booklet for
CIELCh(85, 76.643, 86.938) contains.

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Color

CIELCh(85, 76.271, 87.325)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE36
RGB	255, 206, 54
RGB Percent	100%, 81%, 21%
CMY	0.0000, 0.1902, 0.7899
CMYK	0.00, 0.19, 0.79, 0.00
HSL	46°, 100%, 61%
HSV	46°, 79%, 100%
XYZ	64.2892, 66.0070, 12.7904
YIQ	203.3230, 77.9960, -36.8840

Conversions

Conversions Part 2

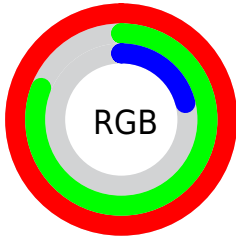
Format	Color
R _Y B	119, 255, 54
Decimal	16764470
CIE Lab	85.00, 3.56, 76.19
CIE LCh	85, 76.271, 87.325
Yxy	66.0070, 0.4493, 0.4613
Android (android.graphics.Color)	4294954550 (0xFFFFCE36)
YUV	203.3230, -73.6162, 45.3207
Hunter-Lab	81.2447, -0.9305, 47.5372

Details

The CIELCh color **85, 76.271, 87.325** 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 **49, 88.733, 295.101**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 68.734, 104.921**, and **65, 69.055, 86.362** is the 20% darker color. If you saturate the color by 10%, you get **83, 81.409, 85.880**, and if you desaturate by 10%, it is **87, 68.661, 88.967**.

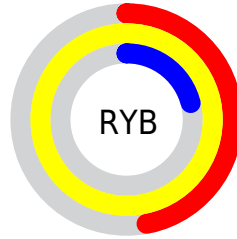
Distribution



Red (100%)

Green (81%)

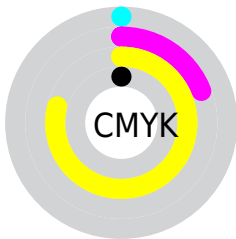
Blue (21%)



Red (47%)

Yellow (100%)

Blue (21%)

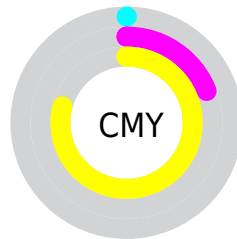


Cyan (0%)

Magenta (19%)

Yellow (79%)

Black (0%)



Cyan (0%)

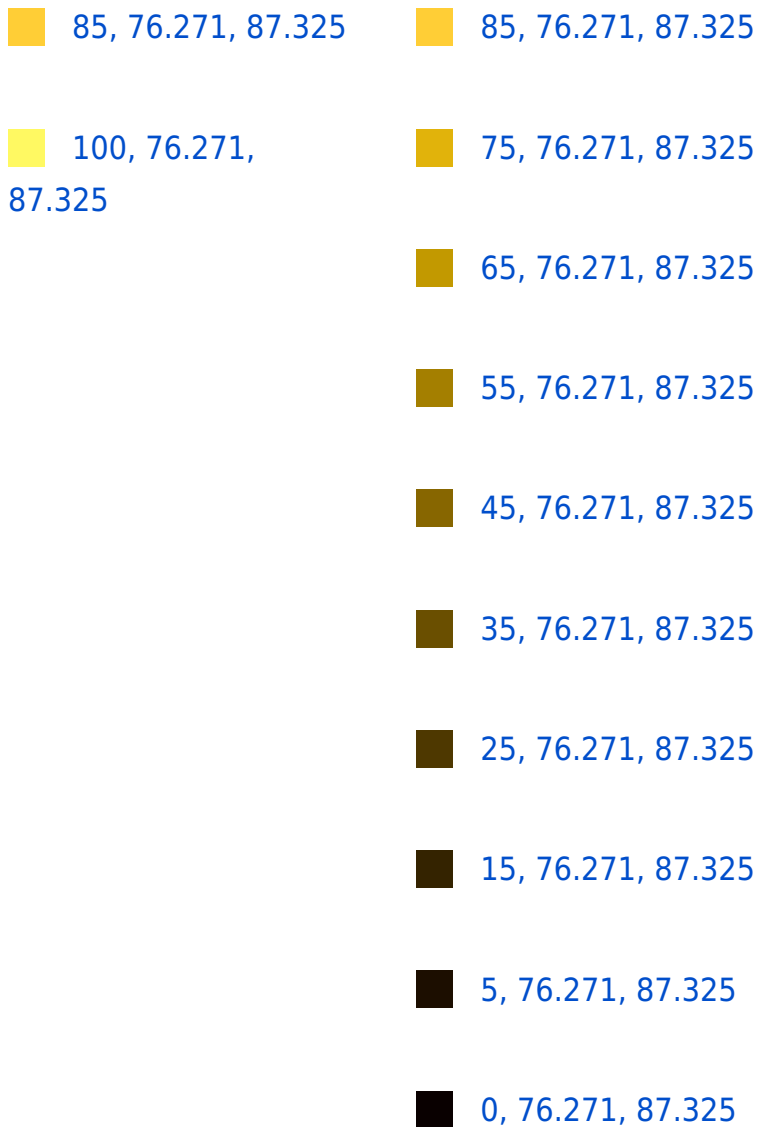
Magenta (19%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 76.271, 87.325 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, 76.271, 87.325 by changing the saturation by 10% instead.



85, 76.271, 87.325

85, 76.271, 87.325

83, 81.409, 85.880

87, 68.661, 88.967

82, 83.780, 84.012

88, 59.679, 90.354

82, 83.954, 83.818

90, 49.909, 91.699

92, 39.768, 93.013

94, 29.498, 94.299

96, 19.234, 95.551

98, 9.048, 96.757

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, 76.271, 87.325



49, 88.733, 295.101

Rectangle

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



85, 76.271, 87.325



85, 76.271, 137.325



85, 76.271, 267.325



85, 76.271, 317.325

Sweetspot

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



85, 76.192, 87.500



95, 24.373, 94.928



57, 78.372, 15.781



50, 16.769, 94.480



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, 76.192, 87.500



82, 83.118, 84.785



94, 91.974, 116.226



52, 5.726, 96.697



63, 67.714, 84.198



21, 29.627, 86.589

Inverse Universe

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



49, 88.733, 295.101



41, 108.133, 300.157



42, 114.061, 307.139



50, 5.775, 279.047



29, 90.088, 301.045



6, 36.044, 296.243

Previews

White Background



This preview shows how the CIELCh color 85, 76.271, 87.325 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, 76.271, 87.325 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, 76.271, 87.325

Background



This preview shows how black text looks on a background with the CIELCh color 85, 76.271, 87.325.



This preview shows how white text looks on a background with the CIELCh color 85, 76.271, 87.325.

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, 75.967, 87.289

Protanopia

85, 75.487, 95.408

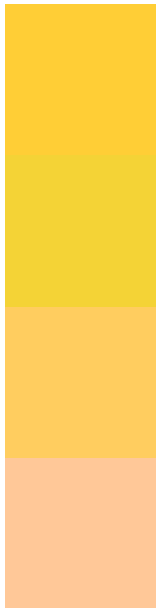
Deuteranopia

85, 49.510, 80.365



Tritanopia
85, 22.407, 6.416

Trichromacy



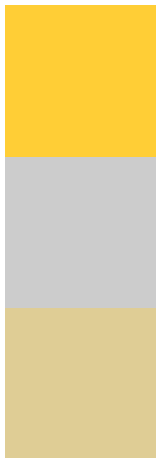
Original Color
85, 75.967, 87.289

Protanomaly
85, 75.769, 92.726

Deuteranomaly
85, 60.366, 84.250

Tritanomaly
84, 34.243, 66.827

Monochromacy



Original Color
85, 75.967, 87.289

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 30.259, 93.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 76.271, 87.325 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, 206, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 54)  
}
```

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, 206, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 76.271, 87.325 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, 206, 54) }
```

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

```
.border{ border-color:rgb(255, 206, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 76.271, 87.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 54) }
```

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

```
.background{ background-color: rgb(255,  
206, 54) }
```

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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