

Converting Colors

CIELCh(84, 76.131, 85.833)

Have a look what the booklet for
CIELCh(84, 76.131, 85.833) contains.

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Color

CIELCh(84, 75.826, 85.778)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA35
RGB	255, 202, 53
RGB Percent	100%, 79%, 21%
CMY	0.0000, 0.2060, 0.7940
CMYK	0.00, 0.21, 0.79, 0.00
HSL	44°, 100%, 60%
HSV	44°, 79%, 100%
XYZ	63.2893, 64.0658, 12.3427
YIQ	200.8610, 79.4170, -35.1030

Conversions

Conversions Part 2

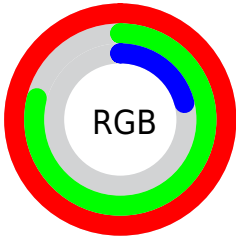
Format	Color
RYB	125, 255, 53
Decimal	16763445
CIELab	84.00, 5.58, 75.62
CIELCh	84, 75.826, 85.778
Yxy	64.0658, 0.4530, 0.4586
Android (android.graphics.Color)	4294953525 (0xFFFFCA35)
YUV	200.8610, -72.8955, 47.4799
Hunter-Lab	80.0411, 1.0697, 46.8860

Details

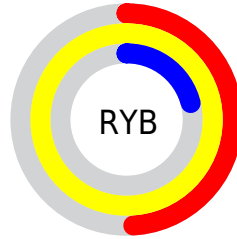
The CIELCh color **84, 75.826, 85.778** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **50, 86.884, 294.256**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 69.155, 104.889**, and **64, 68.520, 84.512** is the 20% darker color. If you saturate the color by 10%, you get **82, 80.960, 84.215**, and if you desaturate by 10%, it is **86, 68.224, 87.476**.

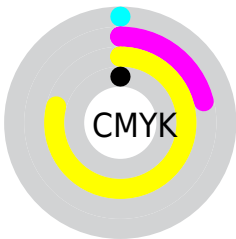
Distribution



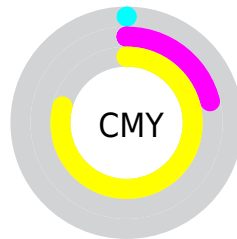
- Red (100%)
- Green (79%)
- Blue (21%)



- Red (49%)
- Yellow (100%)
- Blue (21%)



- Cyan (0%)
- Magenta (21%)
- Yellow (79%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 75.826, 85.778 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 84, 75.826, 85.778 by changing the saturation by 10% instead.

 84, 75.826, 85.778

 84, 75.826, 85.778

 100, 75.826,
85.778

 74, 75.826, 85.778

 64, 75.826, 85.778

 54, 75.826, 85.778

 44, 75.826, 85.778

 34, 75.826, 85.778

 24, 75.826, 85.778

 14, 75.826, 85.778

 4, 75.826, 85.778

 0, 75.826, 85.778

84, 75.826, 85.778

84, 75.826, 85.778

82, 80.960, 84.215

86, 68.224, 87.476

81, 83.365, 82.197

88, 59.279, 88.910

81, 83.477, 82.072

90, 49.579, 90.290

92, 39.541, 91.632

94, 29.402, 92.942

96, 19.293, 94.215

98, 9.280, 95.440

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.



84, 75.826, 85.778



50, 86.884, 294.256

Rectangle

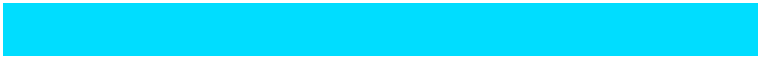
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 75.826, 85.778



84, 75.826, 135.778



84, 75.826, 265.778



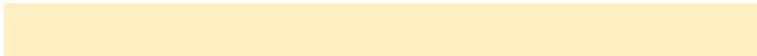
84, 75.826, 315.778

Sweetspot

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



84, 75.745, 85.941



95, 23.939, 93.633



57, 78.363, 14.576



50, 16.477, 93.178



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 75.745, 85.941



81, 82.583, 83.116



94, 91.931, 115.442



52, 5.616, 95.427



62, 67.320, 82.488



21, 29.272, 85.004

Inverse Universe

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



50, 86.884, 294.256



42, 105.476, 299.353



42, 114.765, 306.883



50, 5.655, 277.813



29, 87.952, 300.286



7, 35.240, 295.496

Previews

White Background



This preview shows how the CIELCh color 84, 75.826, 85.778 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 84, 75.826, 85.778 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 84, 75.826, 85.778

Background



This preview shows how black text looks on a background with the CIELCh color 84, 75.826, 85.778.



This preview shows how white text looks on a background with the CIELCh color 84, 75.826, 85.778.

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

84, 75.523, 85.737

Protanopia

84, 74.740, 95.299

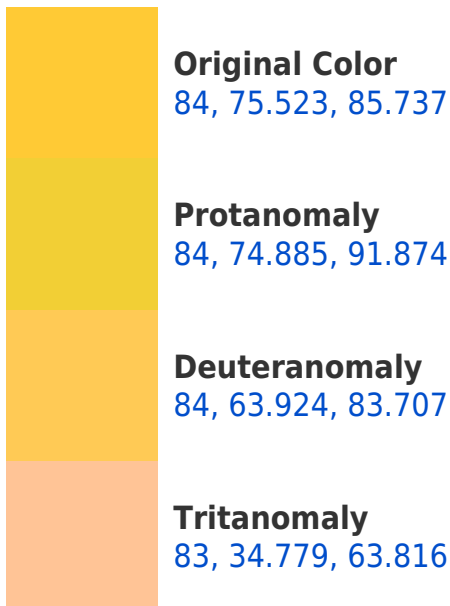
Deuteranopia

84, 55.622, 80.993



Tritanopia
84, 24.066, 6.328

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 75.826, 85.778 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, 202, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 53)  
}
```

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, 202, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 75.826, 85.778 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, 202, 53) }
```

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

```
.border{ border-color:rgb(255, 202, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 75.826, 85.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 53) }
```

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

```
.background{ background-color: rgb(255,  
202, 53) }
```

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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