

Converting Colors

CIELCh(84, 75.899, 85.303)

Have a look what the booklet for
CIELCh(84, 75.899, 85.303) contains.

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Color

CIELCh(84, 75.523, 85.737)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA36
RGB	255, 202, 54
RGB Percent	100%, 79%, 21%
CMY	0.0000, 0.2061, 0.7901
CMYK	0.00, 0.21, 0.79, 0.00
HSL	44°, 100%, 60%
HSV	44°, 79%, 100%
XYZ	63.3030, 64.0658, 12.4602
YIQ	200.9750, 79.0960, -34.7920

Conversions

Conversions Part 2

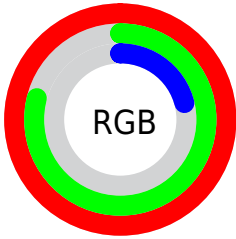
Format	Color
R _Y B	126, 255, 54
Decimal	16763446
CIE Lab	84.00, 5.61, 75.31
CIE LCh	84, 75.523, 85.737
Yxy	64.0658, 0.4527, 0.4582
Android (android.graphics.Color)	4294953526 (0xFFFFCA36)
YUV	200.9750, -72.4587, 47.3799
Hunter-Lab	80.0411, 1.1004, 46.7990

Details

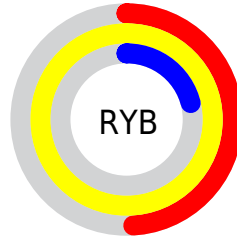
The CIELCh color **84, 75.523, 85.737** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **50, 86.252, 294.058**, and the grayscale version is **81, 0.010, 296.813**.

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, 80.773, 84.173**, and if you desaturate by 10%, it is **86, 67.848, 87.430**.

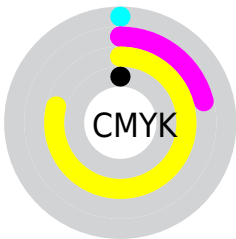
Distribution



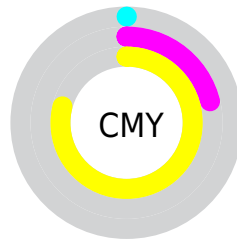
- Red (100%)
- Green (79%)
- Blue (21%)



- 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, 75.523, 85.737 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, 75.523, 85.737 by changing the saturation by 10% instead.

 84, 75.523, 85.737

 84, 75.523, 85.737

 100, 75.523,
85.737

 74, 75.523, 85.737

 64, 75.523, 85.737

 54, 75.523, 85.737

 44, 75.523, 85.737

 34, 75.523, 85.737

 24, 75.523, 85.737

 14, 75.523, 85.737

 4, 75.523, 85.737

 0, 75.523, 85.737

84, 75.523, 85.737

84, 75.523, 85.737

82, 80.773, 84.173

86, 67.848, 87.430

81, 83.263, 82.153

88, 58.863, 88.864

80, 83.447, 81.948

90, 49.147, 90.244

92, 39.108, 91.587

94, 28.977, 92.897

96, 18.881, 94.170

98, 8.885, 95.394

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, 75.523, 85.737



50, 86.252, 294.058

Rectangle

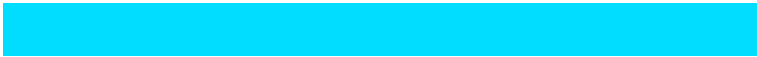
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 75.523, 85.737



84, 75.523, 135.737



84, 75.523, 265.737



84, 75.523, 315.737

Sweetspot

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



84, 75.445, 85.895



95, 23.908, 93.540



57, 78.095, 14.409



50, 16.456, 93.084



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, 75.445, 85.895



81, 82.548, 82.997



94, 91.669, 115.434



52, 5.608, 95.335



62, 67.295, 82.366



21, 29.248, 84.890

Inverse Universe

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



50, 86.252, 294.058



42, 105.285, 299.294



42, 114.294, 306.853



50, 5.646, 277.724



30, 87.798, 300.230



7, 35.182, 295.440

Previews

White Background



This preview shows how the CIELCh color 84, 75.523, 85.737 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, 75.523, 85.737 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, 75.523, 85.737

Background



This preview shows how black text looks on a background with the CIELCh color 84, 75.523, 85.737.



This preview shows how white text looks on a background with the CIELCh color 84, 75.523, 85.737.

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, 75.216, 85.694

Protanopia

84, 74.428, 95.293

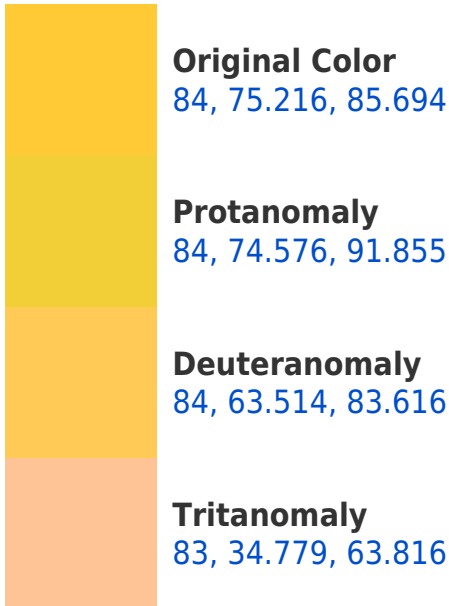
Deuteranopia

84, 55.181, 80.847



Tritanopia
84, 24.066, 6.328

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 75.523, 85.737 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 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, 202, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 75.523, 85.737 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, 54) }
```

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

```
.border{ border-color:rgb(255, 202, 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, 202, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 75.523, 85.737 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, 54) }
```

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

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