

Converting Colors

CIELCh(84, 75.513, 86.057)

Have a look what the booklet for
CIELCh(84, 75.513, 86.057) contains.

CIELCh(84, 75.704, 86.137)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(84, 75.704, 86.137)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB35
RGB	255, 203, 53
RGB Percent	100%, 80%, 21%
CMY	0.0010, 0.2048, 0.7932
CMYK	0.00, 0.20, 0.79, 0.00
HSL	45°, 100%, 60%
HSV	45°, 79%, 100%
XYZ	63.0798, 64.0658, 12.3765
YIQ	201.4480, 79.1420, -35.6260

Conversions

Conversions Part 2

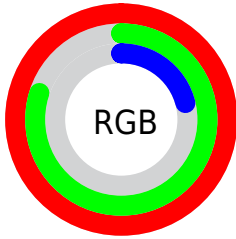
Format	Color
R _Y B	123, 255, 53
Decimal	16763701
CIE Lab	84.00, 5.10, 75.53
CIE LCh	84, 75.704, 86.137
Yxy	64.0658, 0.4521, 0.4592
Android (android.graphics.Color)	4294953781 (0xFFFFCB35)
YUV	201.4480, -73.1849, 46.9651
Hunter-Lab	80.0411, 0.6027, 46.8610

Details

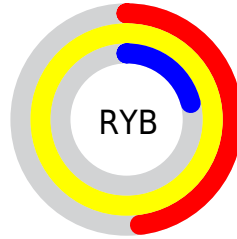
The CIELCh color **84, 75.704, 86.137** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **49, 86.978, 294.344**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 69.155, 104.889**, and **64, 68.646, 84.978** is the 20% darker color. If you saturate the color by 10%, you get **82, 80.927, 84.428**, and if you desaturate by 10%, it is **86, 68.178, 87.666**.

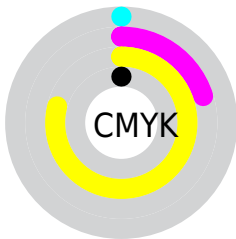
Distribution



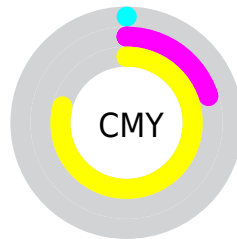
- Red (100%)
- Green (80%)
- Blue (21%)



- Red (48%)
- Yellow (100%)
- Blue (21%)



- Cyan (0%)
- Magenta (20%)
- Yellow (79%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 75.704, 86.137 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, 75.704, 86.137 by changing the saturation by 10% instead.

 84, 75.704, 86.137

 84, 75.704, 86.137

 100, 75.704,
86.137

 74, 75.704, 86.137

 64, 75.704, 86.137

 54, 75.704, 86.137

 44, 75.704, 86.137

 34, 75.704, 86.137

 24, 75.704, 86.137

 14, 75.704, 86.137

 4, 75.704, 86.137

 0, 75.704, 86.137

84, 75.704, 86.137

84, 75.704, 86.137

82, 80.927, 84.428

86, 68.178, 87.666

81, 83.336, 82.430

88, 59.232, 89.095

81, 83.464, 82.286

90, 49.530, 90.469

92, 39.487, 91.808

94, 29.341, 93.115

96, 19.223, 94.385

98, 9.198, 95.608

100, 0.092,
206.646

Harmonies

Complementary

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



84, 75.704, 86.137



49, 86.978, 294.344

Rectangle

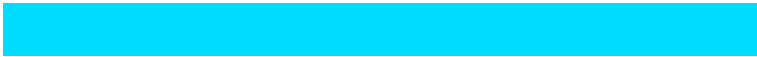
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 75.704, 86.137



84, 75.704, 136.137



84, 75.704, 266.137



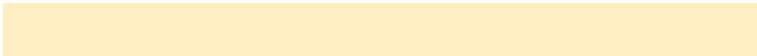
84, 75.704, 316.137

Sweetspot

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



84, 75.703, 86.140



95, 23.991, 93.793



57, 78.232, 14.532



50, 16.512, 93.338



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, 75.703, 86.140



81, 82.643, 83.319



94, 91.790, 115.440



52, 5.629, 95.584



62, 67.364, 82.697



21, 29.314, 85.198

Inverse Universe

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



49, 86.978, 294.344



42, 105.801, 299.453



42, 114.552, 306.875



50, 5.669, 277.965



29, 88.215, 300.381



7, 35.340, 295.591

Previews

White Background



This preview shows how the CIELCh color 84, 75.704, 86.137 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, 75.704, 86.137 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, 75.704, 86.137

Background



This preview shows how black text looks on a background with the CIELCh color 84, 75.704, 86.137.



This preview shows how white text looks on a background with the CIELCh color 84, 75.704, 86.137.

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, 75.704, 86.137

Protanopia

84, 74.428, 95.293

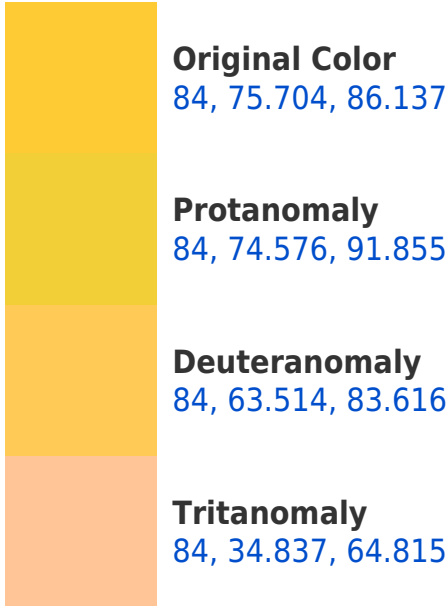
Deuteranopia

84, 55.181, 80.847

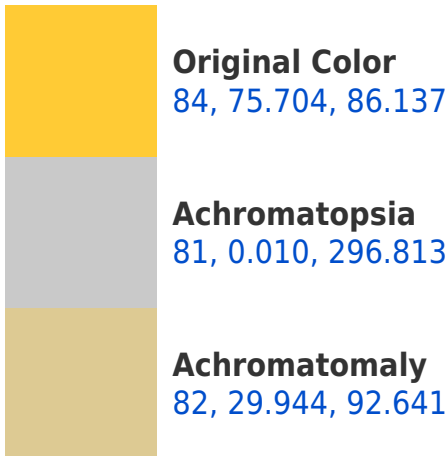


Tritanopia
84, 24.066, 6.328

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 75.704, 86.137 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, 203, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 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, 203, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 75.704, 86.137 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, 203, 53) }
```

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

```
.border{ border-color:rgb(255, 203, 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, 203, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 75.704, 86.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 53) }
```

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

```
.background{ background-color: rgb(255,  
203, 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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