

Converting Colors

CIELCh(84, 77.550, 86.004)

Have a look what the booklet for
CIELCh(84, 77.550, 86.004) contains.

CIELCh(84, 77.450, 86.359)	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, 77.450, 86.359)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB2F
RGB	255, 203, 47
RGB Percent	100%, 80%, 18%
CMY	0.0007, 0.2045, 0.8164
CMYK	0.00, 0.20, 0.82, 0.00
HSL	45°, 100%, 59%
HSV	45°, 82%, 100%
XYZ	63.0010, 64.0658, 11.7135
YIQ	200.7640, 81.0680, -37.4920

Conversions

Conversions Part 2

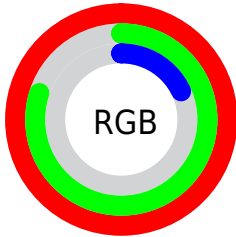
Format	Color
R _Y B	116, 255, 47
Decimal	16763695
CIE Lab	84.00, 4.92, 77.29
CIE LCh	84, 77.450, 86.359
Yxy	64.0658, 0.4540, 0.4616
Android (android.graphics.Color)	4294953775 (0xFFFFCB2F)
YUV	200.7640, -75.8057, 47.5650
Hunter-Lab	80.0411, 0.4268, 47.3520

Details

The CIELCh color **84, 77.450, 86.359** 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, 90.795, 295.500**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 71.231, 104.732**, and **64, 68.484, 85.343** is the 20% darker color. If you saturate the color by 10%, you get **82, 81.968, 84.631**, and if you desaturate by 10%, it is **86, 70.409, 87.894**.

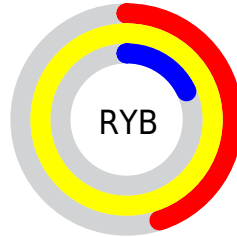
Distribution



Red (100%)

Green (80%)

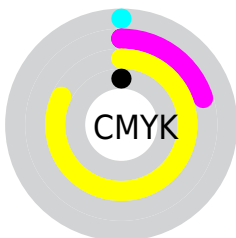
Blue (18%)



Red (45%)

Yellow (100%)

Blue (18%)

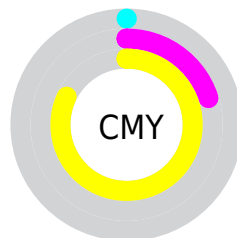


Cyan (0%)

Magenta (20%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 77.450, 86.359 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, 77.450, 86.359 by changing the saturation by 10% instead.

84, 77.450, 86.359

84, 77.450, 86.359

100, 77.450,
86.359

74, 77.450, 86.359

64, 77.450, 86.359

54, 77.450, 86.359

44, 77.450, 86.359

34, 77.450, 86.359

24, 77.450, 86.359

14, 77.450, 86.359

4, 77.450, 86.359

0, 77.450, 86.359

■ 84, 77.450, 86.359

■ 84, 77.450, 86.359

■ 82, 81.968, 84.631

■ 86, 70.409, 87.894

■ 81, 83.667, 82.977

■ 87, 61.732, 89.322

■ 89, 52.145, 90.693

■ 91, 42.119, 92.029

■ 93, 31.932, 93.334

■ 95, 21.738, 94.605

■ 97, 11.617, 95.835

■ 100, 1.610, 96.912

100, 0.063,
210.034

Harmonies

Complementary

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



84, 77.450, 86.359



48, 90.795, 295.500

Rectangle

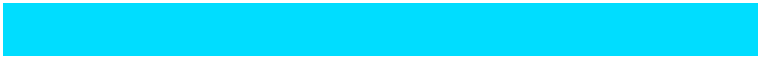
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 77.450, 86.359



84, 77.450, 136.359



84, 77.450, 266.359



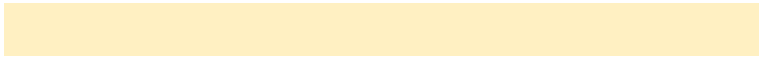
84, 77.450, 316.359

Sweetspot

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



84, 77.449, 86.362



95, 24.161, 94.308



56, 80.195, 16.970



50, 16.627, 93.855



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, 77.449, 86.362



81, 83.361, 83.376



94, 93.664, 116.300



52, 5.673, 96.089



62, 67.515, 83.374



21, 29.453, 85.827

Inverse Universe

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



48, 90.795, 295.500



40, 110.222, 300.655



41, 117.113, 307.315



50, 5.716, 278.456



29, 89.063, 300.685



7, 35.660, 295.892

Previews

White Background



This preview shows how the CIELCh color 84, 77.450, 86.359 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, 77.450, 86.359 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, 77.450, 86.359

Background



This preview shows how black text looks on a background with the CIELCh color 84, 77.450, 86.359.



This preview shows how white text looks on a background with the CIELCh color 84, 77.450, 86.359.

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, 77.450, 86.359

Protanopia

84, 76.305, 95.000

Deuteranopia

84, 55.181, 80.847



Tritanopia
84, 24.066, 6.328

Trichromacy



Original Color
84, 77.450, 86.359

Protanomaly
84, 76.463, 91.639

Deuteranomaly
84, 64.332, 83.796

Tritanomaly
84, 36.068, 66.278

Monochromacy



Original Color
84, 77.450, 86.359

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 30.950, 93.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 77.450, 86.359 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 77.450, 86.359 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, 47) }
```

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

```
.border{ border-color:rgb(255, 203, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 77.450, 86.359 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, 47) }
```

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

```
.background{ background-color: rgb(255,  
203, 47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor