

Converting Colors

CIELCh(86, 75.678, 88.270)

Have a look what the booklet for
CIELCh(86, 75.678, 88.270) contains.

CIELCh(86, 75.540, 88.723)	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(86, 75.540, 88.723)

Conversions

Conversions Part 1

Format	Color
Hex	FFD23B
RGB	255, 210, 59
RGB Percent	100%, 82%, 23%
CMY	0.0000, 0.1747, 0.7705
CMYK	0.00, 0.17, 0.77, 0.00
HSL	46°, 100%, 61%
HSV	46°, 77%, 100%
XYZ	65.3649, 67.9871, 13.7500
YIQ	206.2410, 75.2910, -37.4210

Conversions

Conversions Part 2

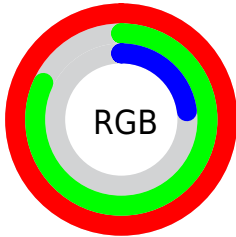
Format	Color
RYB	117, 255, 59
Decimal	16765499
CIELab	86.00, 1.68, 75.52
CIElCh	86, 75.540, 88.723
Yxy	67.9871, 0.4444, 0.4622
Android (android.graphics.Color)	4294955579 (0xFFFFD23B)
YUV	206.2410, -72.5898, 42.7616
Hunter-Lab	82.4543, -2.7908, 47.8309

Details

The CIELCh color **86, 75.540, 88.723** 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, 88.050, 295.194**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 67.032, 105.049**, and **66, 69.672, 88.173** is the 20% darker color. If you saturate the color by 10%, you get **84, 81.138, 87.374**, and if you desaturate by 10%, it is **88, 67.631, 90.288**.

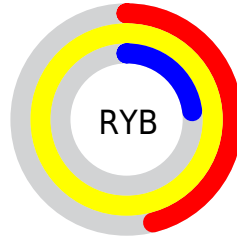
Distribution



Red (100%)

Green (82%)

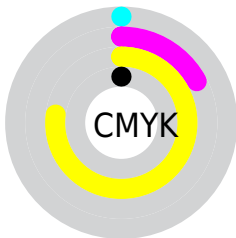
Blue (23%)



Red (46%)

Yellow (100%)

Blue (23%)

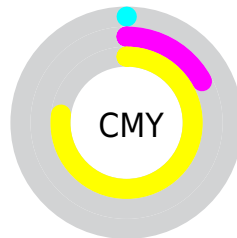


Cyan (0%)

Magenta (17%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 75.540, 88.723 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 86, 75.540, 88.723 by changing the saturation by 10% instead.

 86, 75.540, 88.723

 86, 75.540, 88.723

 100, 75.540,
88.723

 76, 75.540, 88.723

 66, 75.540, 88.723

 56, 75.540, 88.723

 46, 75.540, 88.723

 36, 75.540, 88.723

 26, 75.540, 88.723

 16, 75.540, 88.723

 6, 75.540, 88.723

 0, 75.540, 88.723

86, 75.540, 88.723

86, 75.540, 88.723

84, 81.138, 87.374

88, 67.631, 90.288

83, 83.903, 85.654

89, 58.443, 91.632

83, 84.374, 85.119

91, 48.525, 92.945

93, 38.262, 94.233

95, 27.879, 95.496

97, 17.501, 96.725

99, 7.194, 97.906

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.



86, 75.540, 88.723



49, 88.050, 295.194

Rectangle

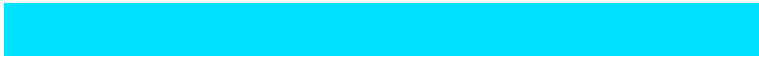
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 75.540, 88.723



86, 75.540, 138.723



86, 75.540, 268.723



86, 75.540, 318.723

Sweetspot

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



86, 75.473, 88.887



95, 23.671, 95.998



57, 77.236, 16.314



50, 16.405, 95.550



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 75.473, 88.887



84, 82.888, 86.554



94, 90.915, 116.966



52, 5.811, 97.623



64, 68.058, 85.473



21, 29.908, 87.757

Inverse Universe

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



49, 88.050, 295.194



42, 106.609, 299.855



44, 111.456, 307.303



50, 5.867, 279.947



28, 91.651, 301.580



6, 36.623, 296.755

Previews

White Background



This preview shows how the CIELCh color 86, 75.540, 88.723 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 86, 75.540, 88.723 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 86, 75.540, 88.723

Background



This preview shows how black text looks on a background with the CIELCh color 86, 75.540, 88.723.



This preview shows how white text looks on a background with the CIELCh color 86, 75.540, 88.723.

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

86, 75.219, 88.690

Protanopia

86, 74.966, 95.492

Deuteranopia

86, 44.408, 80.485



Tritanopia
86, 20.858, 5.156

Trichromacy



Original Color
86, 75.219, 88.690

Protanomaly
86, 75.159, 93.128

Deuteranomaly
86, 56.924, 85.311

Tritanomaly
85, 32.966, 68.970

Monochromacy



Original Color
86, 75.219, 88.690

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 29.985, 95.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 75.540, 88.723 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, 210, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 59)  
}
```

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, 210, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 75.540, 88.723 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, 210, 59) }
```

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

```
.border{ border-color:rgb(255, 210, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 75.540, 88.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 59) }
```

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

```
.background{ background-color: rgb(255,  
210, 59) }
```

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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