

Converting Colors

CIELCh(86, 66.835, 90.602)

Have a look what the booklet for
CIELCh(86, 66.835, 90.602) contains.

CIELCh(86, 66.592, 90.671)	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, 66.592, 90.671)

Conversions

Conversions Part 1

Format	Color
Hex	F9D452
RGB	249, 212, 82
RGB Percent	98%, 83%, 32%
CMY	0.0226, 0.1678, 0.6776
CMYK	0.00, 0.15, 0.67, 0.02
HSL	47°, 94%, 65%
HSV	47°, 67%, 98%
XYZ	64.2764, 67.9871, 17.7594
YIQ	208.2430, 63.7820, -32.5860

Conversions

Conversions Part 2

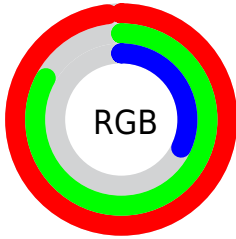
Format	Color
RYB	130, 249, 82
Decimal	16372818
CIELab	86.00, -0.78, 66.59
CIELCh	86, 66.592, 90.671
Yxy	67.9871, 0.4284, 0.4532
Android (android.graphics.Color)	4294562898 (0xFFFF9D452)
YUV	208.2430, -62.2378, 35.7439
Hunter-Lab	82.4543, -5.1471, 44.9478

Details

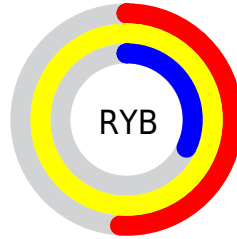
The CIELCh color **86, 66.592, 90.671** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **54, 74.518, 292.335**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 58.151, 105.727**, and **66, 66.664, 90.724** is the 20% darker color. If you saturate the color by 10%, you get **84, 74.301, 89.293**, and if you desaturate by 10%, it is **88, 57.558, 92.004**.

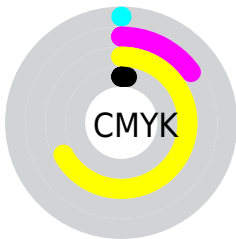
Distribution



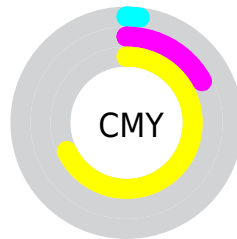
- Red (98%)
- Green (83%)
- Blue (32%)



- Red (51%)
- Yellow (98%)
- Blue (32%)



- Cyan (0%)
- Magenta (15%)
- Yellow (67%)
- Black (2%)



- Cyan (2%)
- Magenta (17%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 66.592, 90.671 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, 66.592, 90.671 by changing the saturation by 10% instead.

 86, 66.592, 90.671

 86, 66.592, 90.671

 100, 66.592,
90.671

 76, 66.592, 90.671

 66, 66.592, 90.671

 56, 66.592, 90.671

 46, 66.592, 90.671

 36, 66.592, 90.671

 26, 66.592, 90.671

 16, 66.592, 90.671

 6, 66.592, 90.671

 0, 66.592, 90.671

86, 66.592, 90.671

86, 66.592, 90.671

84, 74.301, 89.293

88, 57.558, 92.004

83, 79.875, 87.808

89, 47.798, 93.305

82, 82.611, 86.132

91, 37.693, 94.585

81, 83.092, 85.606

93, 27.462, 95.839

95, 17.230, 97.061

97, 7.062, 98.235

99, 2.177, 275.123

100, 2.002,
199.609

Harmonies

Complementary

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



86, 66.592, 90.671



54, 74.518, 292.335

Rectangle

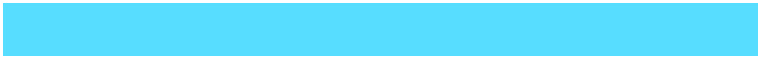
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 66.592, 90.671



86, 66.592, 140.671



86, 66.592, 270.671



86, 66.592, 320.671

Sweetspot

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



86, 66.592, 90.674



96, 20.661, 96.697



60, 67.470, 12.477



51, 14.112, 96.354



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, 66.592, 90.674



86, 77.622, 88.850



92, 80.835, 116.968



51, 5.746, 97.951



63, 67.518, 85.944



20, 28.873, 88.280

Inverse Universe

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



54, 74.518, 292.335



47, 92.428, 296.373



49, 95.892, 306.430



49, 5.804, 280.260



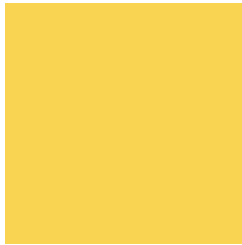
28, 91.205, 301.738



6, 35.271, 296.212

Previews

White Background



This preview shows how the CIELCh color 86, 66.592, 90.671 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, 66.592, 90.671 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, 66.592, 90.671

Background



This preview shows how black text looks on a background with the CIELCh color 86, 66.592, 90.671.

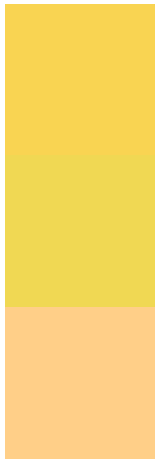


This preview shows how white text looks on a background with the CIELCh color 86, 66.592, 90.671.

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, 66.592, 90.671

Protanopia

86, 66.470, 95.605

Deuteranopia

86, 42.360, 78.799



Tritanopia
86, 21.098, 2.404

Trichromacy



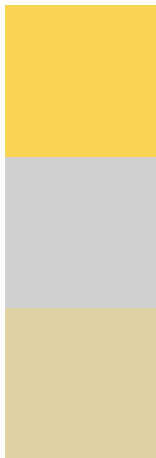
Original Color
86, 66.592, 90.671

Protanomaly
86, 66.413, 94.094

Deuteranomaly
86, 51.631, 84.822

Tritanomaly
86, 28.353, 65.652

Monochromacy



Original Color
86, 66.592, 90.671

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 25.619, 96.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 66.592, 90.671 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(249, 212, 82)` looks like.

```
.text, #text, p{  
    color:rgb(249, 212, 82)  
}
```

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(249, 212, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 212, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 66.592, 90.671 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(249, 212, 82) }
```

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

```
.border{ border-color:rgb(249, 212, 82) }
```

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

Here you see how a box with a 4 pixel rgb(249, 212, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 212, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 212, 82);  
box-shadow:4px 4px 4px 4px rgb(249, 212,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 66.592, 90.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 212, 82) }
```

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

```
.background{ background-color: rgb(249,  
212, 82) }
```

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