

Converting Colors

CIELCh(87, 54.388, 87.425)

Have a look what the booklet for
CIELCh(87, 54.388, 87.425) contains.

CIELCh(87, 54.183, 87.059)	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(87, 54.183, 87.059)

Conversions

Conversions Part 1

Format	Color
Hex	FED571
RGB	254, 213, 113
RGB Percent	100%, 84%, 44%
CMY	0.0030, 0.1638, 0.5561
CMYK	0.00, 0.16, 0.55, 0.00
HSL	43°, 99%, 72%
HSV	43°, 55%, 100%
XYZ	67.7968, 70.0064, 25.6214
YIQ	213.8590, 56.5360, -22.4080

Conversions

Conversions Part 2

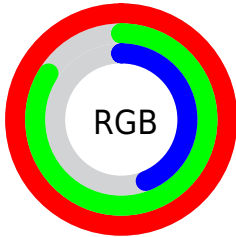
Format	Color
RYB	171, 254, 113
Decimal	16700785
CIELab	87.00, 2.78, 54.11
CIElCh	87, 54.183, 87.059
Yxy	70.0064, 0.4149, 0.4284
Android (android.graphics.Color)	4294890865 (0xFF FED571)
YUV	213.8590, -49.7235, 35.2037
Hunter-Lab	83.6698, -1.7855, 40.4131

Details

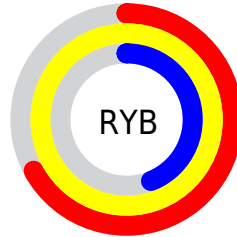
The CIELCh color **87, 54.183, 87.059** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **65, 55.943, 284.905**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 43.988, 106.817**, and **67, 54.073, 87.478** is the 20% darker color. If you saturate the color by 10%, you get **85, 63.460, 85.596**, and if you desaturate by 10%, it is **89, 44.432, 88.470**.

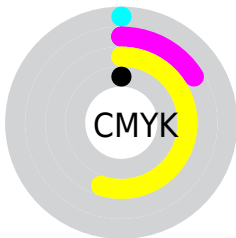
Distribution



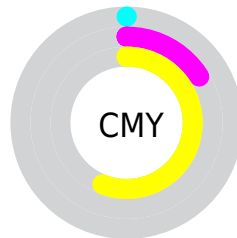
- Red (100%)
- Green (84%)
- Blue (44%)



- Red (67%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (16%)
- Yellow (55%)
- Black (0%)



- Cyan (0%)
- Magenta (16%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 54.183, 87.059 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 87, 54.183, 87.059 by changing the saturation by 10% instead.

87, 54.183, 87.059

87, 54.183, 87.059

100, 54.183,
87.059

77, 54.183, 87.059

67, 54.183, 87.059

57, 54.183, 87.059

47, 54.183, 87.059

37, 54.183, 87.059

27, 54.183, 87.059

17, 54.183, 87.059

7, 54.183, 87.059

0, 54.183, 87.059

87, 54.183, 87.059

87, 54.183, 87.059

85, 63.460, 85.596

89, 44.432, 88.470

83, 71.714, 84.027

91, 34.524, 89.836

81, 78.123, 82.265

94, 24.632, 91.163

79, 81.782, 80.163

96, 14.843, 92.448

78, 82.697, 79.109

98, 5.199, 93.665

100, 0.268,
201.866

Harmonies

Complementary

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



87, 54.183, 87.059



65, 55.943, 284.905

Rectangle

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



87, 54.183, 87.059



87, 54.183, 137.059



87, 54.183, 267.059



87, 54.183, 317.059

Sweetspot

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



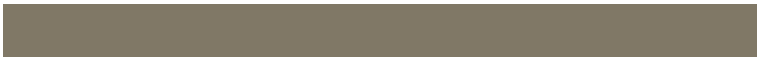
87, 54.183, 87.063



96, 16.370, 92.255



66, 57.735, 4.030



51, 10.968, 91.999



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 54.183, 87.063



85, 64.963, 85.363



95, 69.343, 114.352



52, 5.438, 93.188



60, 66.821, 79.578



20, 28.728, 82.253

Inverse Universe

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



65, 55.943, 284.905



58, 68.801, 288.359



57, 80.161, 303.504



50, 5.460, 275.630



31, 84.236, 298.882



7, 33.803, 294.037

Previews

White Background



This preview shows how the CIELCh color 87, 54.183, 87.059 looks on a white background.

Color Contrast Check

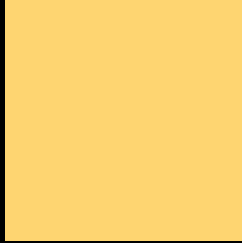
Large Text (above 18pt) WCAG AA × Fail

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 87, 54.183, 87.059 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 87, 54.183, 87.059

Background



This preview shows how black text looks on a background with the CIELCh color 87, 54.183, 87.059.

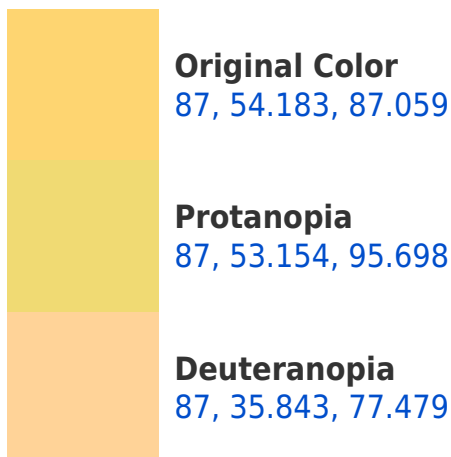


This preview shows how white text looks on a background with the CIELCh color 87, 54.183, 87.059.

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





Tritanopia
87, 19.464, 2.263

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 54.183, 87.059 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(254, 213, 113)` looks like.

```
.text, #text, p{  
    color:rgb(254, 213, 113)  
}
```

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(254, 213, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 213, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 54.183, 87.059 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(254, 213, 113) }
```

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

```
.border{ border-color:rgb(254, 213, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 213, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 213, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 213, 113);  
box-shadow:4px 4px 4px 4px rgb(254, 213,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 54.183, 87.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 213, 113) }
```

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

```
.background{ background-color: rgb(254,  
213, 113) }
```

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