

Converting Colors

CIELCh(90, 63.059, 77.506)

Have a look what the booklet for
CIELCh(90, 63.059, 77.506) contains.

CIELCh(87, 57.739, 87.853)	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, 57.739, 87.853)

Conversions

Conversions Part 1

Format	Color
Hex	FED569
RGB	254, 213, 105
RGB Percent	100%, 84%, 41%
CMY	0.0023, 0.1628, 0.5863
CMYK	0.00, 0.16, 0.59, 0.00
HSL	44°, 99%, 71%
HSV	44°, 59%, 100%
XYZ	67.5163, 70.0064, 23.4528
YIQ	212.9470, 59.1040, -24.8960

Conversions

Conversions Part 2

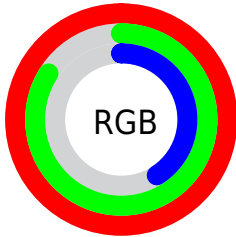
Format	Color
RYB	162, 254, 105
Decimal	16700777
CIELab	87.00, 2.16, 57.70
CIELCh	87, 57.739, 87.853
Yxy	70.0064, 0.4194, 0.4349
Android (android.graphics.Color)	4294890857 (0xFF FED569)
YUV	212.9470, -53.2179, 36.0035
Hunter-Lab	83.6698, -2.3839, 41.9498

Details

The CIELCh color **87, 57.739, 87.853** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **62, 60.646, 286.792**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 47.839, 106.520**, and **67, 57.712, 88.098** is the 20% darker color. If you saturate the color by 10%, you get **85, 66.764, 86.395**, and if you desaturate by 10%, it is **89, 48.052, 89.257**.

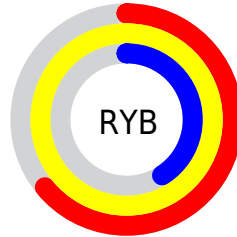
Distribution



Red (100%)

Green (84%)

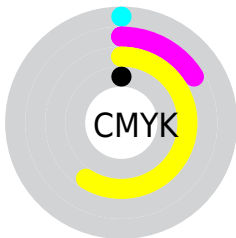
Blue (41%)



Red (64%)

Yellow (100%)

Blue (41%)

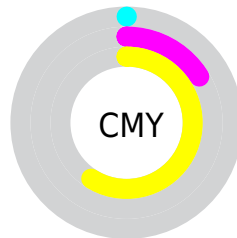


Cyan (0%)

Magenta (16%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 57.739, 87.853 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, 57.739, 87.853 by changing the saturation by 10% instead.

 87, 57.739, 87.853

 87, 57.739, 87.853

 100, 57.739,
87.853

 77, 57.739, 87.853

 67, 57.739, 87.853

 57, 57.739, 87.853

 47, 57.739, 87.853

 37, 57.739, 87.853

 27, 57.739, 87.853

 17, 57.739, 87.853

 7, 57.739, 87.853

 0, 57.739, 87.853

87, 57.739, 87.853

87, 57.739, 87.853

85, 66.764, 86.395

89, 48.052, 89.257

83, 74.488, 84.824

91, 38.091, 90.616

81, 80.029, 83.047

93, 28.073, 91.939

80, 82.724, 80.938

96, 18.115, 93.224

79, 83.010, 80.617

98, 8.274, 94.457

100, 0.200,
202.707

Harmonies

Complementary

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



87, 57.739, 87.853



62, 60.646, 286.792

Rectangle

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



87, 57.739, 87.853



87, 57.739, 137.853



87, 57.739, 267.853



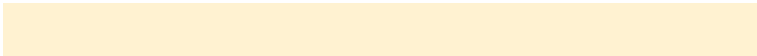
87, 57.739, 317.853

Sweetspot

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



87, 57.739, 87.856



96, 17.618, 93.291



65, 60.633, 6.066



51, 12.268, 92.922



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, 57.739, 87.856



85, 68.121, 86.172



95, 72.885, 114.967



52, 5.527, 94.340



61, 67.049, 81.058



20, 28.996, 83.661

Inverse Universe

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



62, 60.646, 286.792



56, 73.885, 290.293



55, 84.923, 304.310



50, 5.558, 276.754



30, 86.138, 299.615



7, 34.545, 294.811

Previews

White Background



This preview shows how the CIELCh color 87, 57.739, 87.853 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, 57.739, 87.853 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, 57.739, 87.853

Background



This preview shows how black text looks on a background with the CIELCh color 87, 57.739, 87.853.



This preview shows how white text looks on a background with the CIELCh color 87, 57.739, 87.853.

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

87, 57.773, 87.822

Protanopia

87, 56.904, 95.551

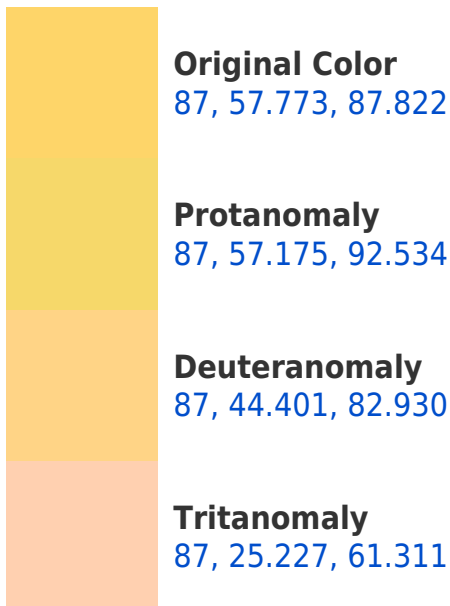
Deuteranopia

87, 36.758, 78.133



Tritanopia
87, 19.464, 2.263

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 57.739, 87.853 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(254, 213, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 213, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 57.739, 87.853 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, 105) }
```

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

```
.border{ border-color:rgb(254, 213, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 213, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 213, 105);  
box-shadow:4px 4px 4px 4px rgb(254, 213,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 57.739, 87.853 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, 105) }
```

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

```
.background{ background-color: rgb(254,  
213, 105) }
```

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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