

Converting Colors

CIELCh(87, 52.060, 86.063)

Have a look what the booklet for
CIELCh(87, 52.060, 86.063) contains.

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Color

CIELCh(87, 52.060, 86.063)

Conversions

Conversions Part 1

Format	Color
Hex	FFD576
RGB	255, 213, 118
RGB Percent	100%, 84%, 46%
CMY	0.0009, 0.1655, 0.5380
CMYK	0.00, 0.16, 0.54, 0.00
HSL	42°, 100%, 73%
HSV	42°, 54%, 100%
XYZ	68.1591, 70.0064, 26.9990
YIQ	214.7280, 55.5270, -20.6410

Conversions

Conversions Part 2

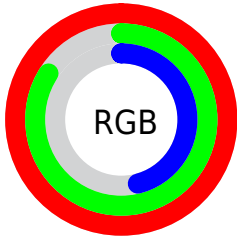
Format	Color
RYB	179, 255, 118
Decimal	16766326
CIELab	87.00, 3.57, 51.94
CIElCh	87, 52.060, 86.063
Yxy	70.0064, 0.4127, 0.4239
Android (android.graphics.Color)	4294956406 (0xFFFFD576)
YUV	214.7280, -47.6869, 35.3185
Hunter-Lab	83.6698, -1.0126, 39.4369

Details

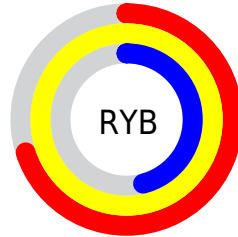
The CIELCh color **87, 52.060, 86.063** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 53.026, 283.375**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 41.560, 107.005**, and **67, 52.251, 86.113** is the 20% darker color. If you saturate the color by 10%, you get **85, 61.462, 84.589**, and if you desaturate by 10%, it is **89, 42.295, 87.484**.

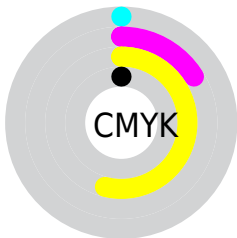
Distribution



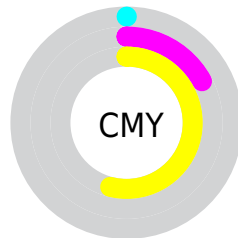
- Red (100%)
- Green (84%)
- Blue (46%)



- Red (70%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (16%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 52.060, 86.063 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, 52.060, 86.063 by changing the saturation by 10% instead.

 87, 52.060, 86.063

 87, 52.060, 86.063

 100, 52.060,
86.063

 77, 52.060, 86.063

 67, 52.060, 86.063

 57, 52.060, 86.063

 47, 52.060, 86.063

 37, 52.060, 86.063

 27, 52.060, 86.063

 17, 52.060, 86.063

 7, 52.060, 86.063

 0, 52.060, 86.063

87, 52.060, 86.063

87, 52.060, 86.063

85, 61.462, 84.589

89, 42.295, 87.484

83, 70.006, 83.010

92, 32.444, 88.859

81, 76.911, 81.238

94, 22.656, 90.193

79, 81.229, 79.122

96, 13.001, 91.481

78, 82.635, 77.606

99, 3.512, 92.679

100, 0.077,
208.007

Harmonies

Complementary

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



87, 52.060, 86.063



67, 53.026, 283.375

Rectangle

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



87, 52.060, 86.063



87, 52.060, 136.063



87, 52.060, 266.063



87, 52.060, 316.063

Sweetspot

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



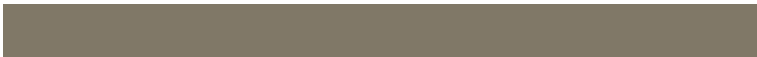
87, 52.060, 86.067



96, 15.160, 91.197



67, 56.316, 2.387



51, 10.255, 90.934



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, 52.060, 86.067



85, 62.625, 84.400



96, 67.408, 113.684



52, 5.353, 92.011



60, 66.649, 78.107



20, 28.479, 80.834

Inverse Universe

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



67, 53.026, 283.375



60, 65.055, 286.711



58, 77.648, 302.849



50, 5.366, 274.480



31, 82.324, 298.114



8, 33.043, 293.194

Previews

White Background



This preview shows how the CIELCh color 87, 52.060, 86.063 looks on a white background.

Color Contrast Check

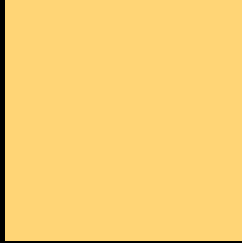
Large Text (above 18pt) WCAG AA × Fail

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, 52.060, 86.063 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, 52.060, 86.063

Background



This preview shows how black text looks on a background with the CIELCh color 87, 52.060, 86.063.



This preview shows how white text looks on a background with the CIELCh color 87, 52.060, 86.063.

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, 52.060, 86.063

Protanopia

87, 50.815, 95.481

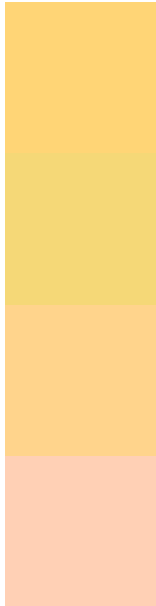
Deuteranopia

87, 35.387, 77.137



Tritanopia
87, 19.464, 2.263

Trichromacy



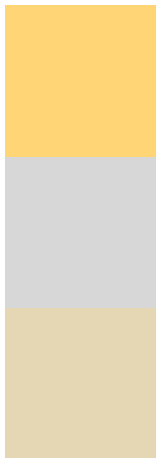
Original Color
87, 52.060, 86.063

Protanomaly
87, 51.101, 92.143

Deuteranomaly
87, 41.606, 81.663

Tritanomaly
87, 23.416, 57.018

Monochromacy



Original Color
87, 52.060, 86.063

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 18.677, 90.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 52.060, 86.063 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, 213, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 118)  
}
```

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, 213, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 52.060, 86.063 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, 213, 118) }
```

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

```
.border{ border-color:rgb(255, 213, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 52.060, 86.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 118) }
```

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

```
.background{ background-color: rgb(255,  
213, 118) }
```

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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