

Converting Colors

CIELCh(100, 90.429, 57.468)

Have a look what the booklet for
CIELCh(100, 90.429, 57.468)
contains.

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Color

CIELCh(87, 58.624, 88.021)

Conversions

Conversions Part 1

Format	Color
Hex	FED668
RGB	254, 214, 104
RGB Percent	100%, 84%, 41%
CMY	0.0020, 0.1626, 0.5939
CMYK	0.00, 0.16, 0.59, 0.00
HSL	44°, 99%, 70%
HSV	44°, 59%, 100%
XYZ	67.4534, 70.0064, 22.9340
YIQ	213.4200, 59.1500, -25.7300

Conversions

Conversions Part 2

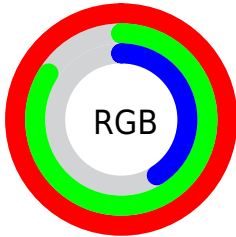
Format	Color
RYB	159, 254, 104
Decimal	16701032
CIELab	87.00, 2.02, 58.59
CIELCh	87, 58.624, 88.021
Yxy	70.0064, 0.4205, 0.4365
Android (android.graphics.Color)	4294891112 (0xFF FED668)
YUV	213.4200, -53.9441, 35.5887
Hunter-Lab	83.6698, -2.5181, 42.3174

Details

The CIELCh color **87, 58.624, 88.021** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **62, 61.843, 287.241**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 48.317, 106.483**, and **67, 58.714, 88.745** is the 20% darker color. If you saturate the color by 10%, you get **85, 67.573, 86.565**, and if you desaturate by 10%, it is **89, 48.962, 89.423**.

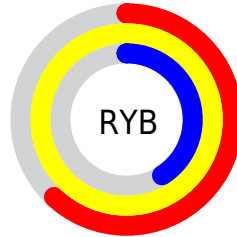
Distribution



Red (100%)

Green (84%)

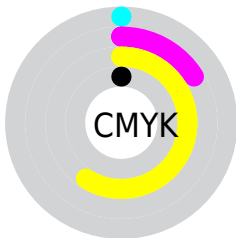
Blue (41%)



Red (62%)

Yellow (100%)

Blue (41%)

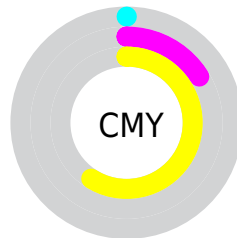


Cyan (0%)

Magenta (16%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 58.624, 88.021 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, 58.624, 88.021 by changing the saturation by 10% instead.

87, 58.624, 88.021

87, 58.624, 88.021

100, 58.624,
88.021

77, 58.624, 88.021

67, 58.624, 88.021

57, 58.624, 88.021

47, 58.624, 88.021

37, 58.624, 88.021

27, 58.624, 88.021

17, 58.624, 88.021

7, 58.624, 88.021

0, 58.624, 88.021

87, 58.624, 88.021

87, 58.624, 88.021

85, 67.573, 86.565

89, 48.962, 89.423

83, 75.147, 84.993

91, 38.994, 90.780

81, 80.456, 83.211

93, 28.950, 92.102

80, 82.961, 81.109

95, 18.954, 93.387

80, 83.096, 80.960

98, 9.068, 94.622

100, 0.167,
210.148

100, 0.179,
203.106

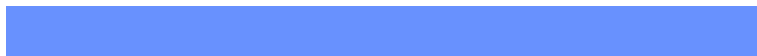
Harmonies

Complementary

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



87, 58.624, 88.021



62, 61.843, 287.241

Rectangle

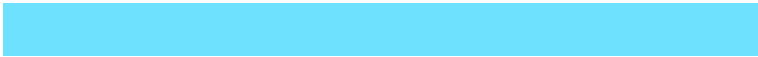
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 58.624, 88.021



87, 58.624, 138.021



87, 58.624, 268.021



87, 58.624, 318.021

Sweetspot

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



87, 58.624, 88.024



96, 17.681, 93.551



64, 61.392, 6.272



51, 12.311, 93.184



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, 58.624, 88.024



85, 69.084, 86.308



95, 73.723, 114.935



52, 5.548, 94.598



61, 67.108, 81.395



20, 29.059, 83.979

Inverse Universe

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



62, 61.843, 287.241



55, 75.448, 290.830



54, 86.131, 304.405



50, 5.580, 277.006



30, 86.567, 299.776



7, 34.711, 294.978

Previews

White Background



This preview shows how the CIELCh color 87, 58.624, 88.021 looks on a white background.

Color Contrast Check

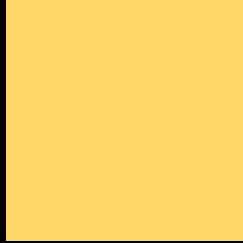
Large Text (above 18pt) WCAG AA × Fail

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, 58.624, 88.021 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, 58.624, 88.021

Background



This preview shows how black text looks on a background with the CIELCh color 87, 58.624, 88.021.



This preview shows how white text looks on a background with the CIELCh color 87, 58.624, 88.021.

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, 58.481, 88.417

Protanopia

87, 57.805, 95.613

Deuteranopia

87, 36.758, 78.133



Tritanopia
87, 19.464, 2.263

Trichromacy



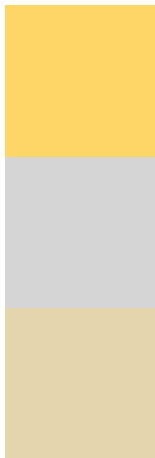
Original Color
87, 58.481, 88.417

Protanomaly
87, 58.071, 92.638

Deuteranomaly
87, 44.866, 83.122

Tritanomaly
87, 25.227, 61.311

Monochromacy



Original Color
87, 58.481, 88.417

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 21.698, 92.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 58.624, 88.021 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, 214, 104)` looks like.

```
.text, #text, p{  
    color:rgb(254, 214, 104)  
}
```

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, 214, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 214, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 58.624, 88.021 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, 214, 104) }
```

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

```
.border{ border-color:rgb(254, 214, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 214, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 214, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 214, 104);  
box-shadow:4px 4px 4px 4px rgb(254, 214,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 58.624, 88.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 214, 104) }
```

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

```
.background{ background-color: rgb(254,  
214, 104) }
```

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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