

Converting Colors

CIELCh(87, 69.440, 89.018)

Have a look what the booklet for
CIELCh(87, 69.440, 89.018) contains.

CIELCh(87, 69.413, 89.595)	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, 69.413, 89.595)

Conversions

Conversions Part 1

Format	Color
Hex	FFD64E
RGB	255, 214, 78
RGB Percent	100%, 84%, 31%
CMY	0.0000, 0.1602, 0.6935
CMYK	0.00, 0.16, 0.69, 0.00
HSL	46°, 100%, 65%
HSV	46°, 69%, 100%
XYZ	66.7598, 70.0064, 17.2286
YIQ	210.7550, 68.0920, -33.6040

Conversions

Conversions Part 2

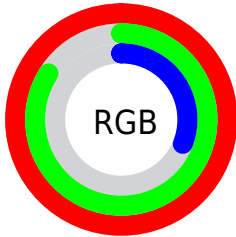
Format	Color
RYB	131, 255, 78
Decimal	16766542
CIELab	87.00, 0.49, 69.41
CIELCh	87, 69.413, 89.595
Yxy	70.0064, 0.4335, 0.4546
Android (android.graphics.Color)	4294956622 (0xFFFFD64E)
YUV	210.7550, -65.4482, 38.8029
Hunter-Lab	83.6698, -3.9977, 46.3604

Details

The CIELCh color **87, 69.413, 89.595** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **54, 77.858, 292.568**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 59.517, 105.622**, and **67, 69.464, 89.873** is the 20% darker color. If you saturate the color by 10%, you get **85, 76.825, 88.215**, and if you desaturate by 10%, it is **89, 60.452, 91.016**.

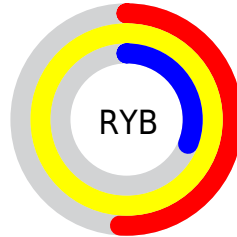
Distribution



Red (100%)

Green (84%)

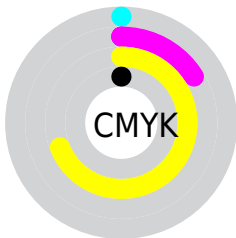
Blue (31%)



Red (51%)

Yellow (100%)

Blue (31%)

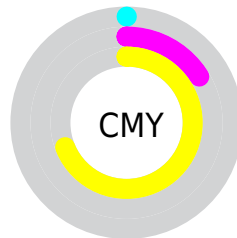


Cyan (0%)

Magenta (16%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 69.413, 89.595 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, 69.413, 89.595 by changing the saturation by 10% instead.

 87, 69.413, 89.595

 87, 69.413, 89.595

 100, 69.413,
89.595

 77, 69.413, 89.595

 67, 69.413, 89.595

 57, 69.413, 89.595

 47, 69.413, 89.595

 37, 69.413, 89.595

 27, 69.413, 89.595

 17, 69.413, 89.595

 7, 69.413, 89.595

 0, 69.413, 89.595

87, 69.413, 89.595

87, 69.413, 89.595

85, 76.825, 88.215

89, 60.452, 91.016

84, 81.889, 86.639

90, 50.674, 92.343

82, 84.132, 84.842

92, 40.489, 93.644

82, 84.240, 84.723

94, 30.152, 94.918

96, 19.802, 96.161

98, 9.517, 97.360

100, 0.012,
296.813

Harmonies

Complementary

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



87, 69.413, 89.595



54, 77.858, 292.568

Rectangle

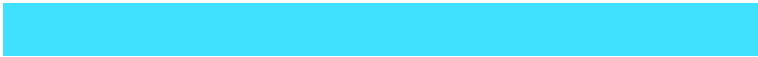
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 69.413, 89.595



87, 69.413, 139.595



87, 69.413, 269.595



87, 69.413, 319.595

Sweetspot

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



87, 69.393, 89.651



96, 21.503, 95.959



60, 70.828, 13.315



51, 14.571, 95.618



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, 69.393, 89.651



85, 78.991, 87.662



94, 84.513, 116.938



52, 5.785, 97.343



63, 67.949, 85.085



21, 29.821, 87.402

Inverse Universe

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



54, 77.858, 292.568



46, 95.004, 296.875



48, 101.056, 306.660



50, 5.839, 279.674



28, 91.178, 301.420



6, 36.448, 296.603

Previews

White Background



This preview shows how the CIELCh color 87, 69.413, 89.595 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, 69.413, 89.595 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, 69.413, 89.595

Background



This preview shows how black text looks on a background with the CIELCh color 87, 69.413, 89.595.



This preview shows how white text looks on a background with the CIELCh color 87, 69.413, 89.595.

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](#).

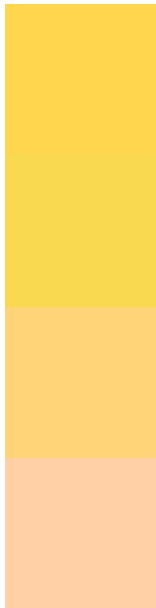
Dichromacy





Tritanopia
87, 19.335, 3.742

Trichromacy



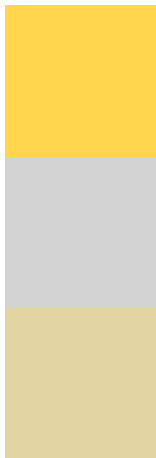
Original Color
87, 69.413, 89.595

Protanomaly
87, 69.045, 93.231

Deuteranomaly
87, 50.427, 85.074

Tritanomaly
87, 29.209, 68.101

Monochromacy



Original Color
87, 69.413, 89.595

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 26.258, 94.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 69.413, 89.595 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, 214, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 78)  
}
```

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, 214, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 69.413, 89.595 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, 214, 78) }
```

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

```
.border{ border-color:rgb(255, 214, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 69.413, 89.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 78) }
```

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

```
.background{ background-color: rgb(255,  
214, 78) }
```

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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