

Converting Colors

CIELCh(87, 68.445, 90.075)

Have a look what the booklet for
CIELCh(87, 68.445, 90.075) contains.

CIELCh(87, 68.379, 90.236)	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, 68.379, 90.236)

Conversions

Conversions Part 1

Format	Color
Hex	FED751
RGB	254, 215, 81
RGB Percent	100%, 84%, 32%
CMY	0.0055, 0.1582, 0.6837
CMYK	0.00, 0.15, 0.68, 0.01
HSL	46°, 98%, 66%
HSV	46°, 68%, 99%
XYZ	66.4124, 70.0064, 17.7268
YIQ	211.3850, 66.2580, -33.4060

Conversions

Conversions Part 2

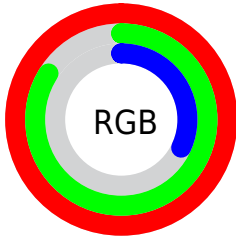
Format	Color
RYB	131, 254, 81
Decimal	16701265
CIELab	87.00, -0.28, 68.38
CIELCh	87, 68.379, 90.236
Yxy	70.0064, 0.4308, 0.4542
Android (android.graphics.Color)	4294891345 (0xFFFE751)
YUV	211.3850, -64.2798, 37.3734
Hunter-Lab	83.6698, -4.7389, 46.0073

Details

The CIELCh color **87, 68.379, 90.236** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **54, 76.690, 292.518**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 58.607, 105.692**, and **67, 68.566, 90.233** is the 20% darker color. If you saturate the color by 10%, you get **85, 75.982, 88.835**, and if you desaturate by 10%, it is **89, 59.347, 91.584**.

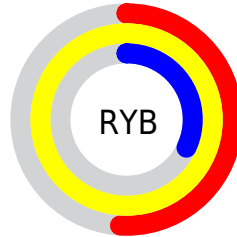
Distribution



Red (100%)

Green (84%)

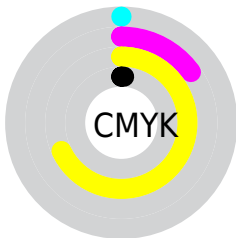
Blue (32%)



Red (51%)

Yellow (100%)

Blue (32%)

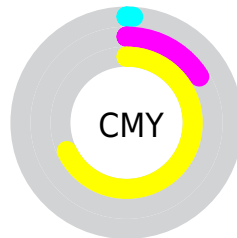


Cyan (0%)

Magenta (15%)

Yellow (68%)

Black (1%)



Cyan (1%)

Magenta (16%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 68.379, 90.236 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, 68.379, 90.236 by changing the saturation by 10% instead.

 87, 68.379, 90.236

 87, 68.379, 90.236

 100, 68.379,
90.236

 77, 68.379, 90.236

 67, 68.379, 90.236

 57, 68.379, 90.236

 47, 68.379, 90.236

 37, 68.379, 90.236

 27, 68.379, 90.236

 17, 68.379, 90.236

 7, 68.379, 90.236

 0, 68.379, 90.236

87, 68.379, 90.236

87, 68.379, 90.236

85, 75.982, 88.835

89, 59.347, 91.584

84, 81.318, 87.311

90, 49.528, 92.896

82, 83.780, 85.579

92, 39.328, 94.185

82, 84.072, 85.256

94, 28.986, 95.449

96, 18.636, 96.680

98, 8.350, 97.867

100, 0.405,
228.315

100, 0.483,
200.746

Harmonies

Complementary

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



87, 68.379, 90.236



54, 76.690, 292.518

Rectangle

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



87, 68.379, 90.236



87, 68.379, 140.236



87, 68.379, 270.236



87, 68.379, 320.236

Sweetspot

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



87, 68.379, 90.239



96, 20.587, 96.461



60, 69.493, 12.903



51, 14.062, 96.116



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, 68.379, 90.239



85, 78.663, 88.271



94, 83.084, 116.950



52, 5.820, 97.716



64, 68.095, 85.601



21, 29.938, 87.874

Inverse Universe

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



54, 76.690, 292.518



46, 94.498, 296.831



49, 98.965, 306.550



50, 5.877, 280.036



28, 91.807, 301.633



6, 36.681, 296.804

Previews

White Background



This preview shows how the CIELCh color 87, 68.379, 90.236 looks on a white background.

Color Contrast Check

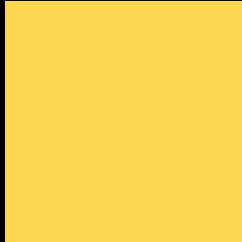
Large Text (above 18pt) WCAG AA × Fail

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, 68.379, 90.236 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, 68.379, 90.236

Background



This preview shows how black text looks on a background with the CIELCh color 87, 68.379, 90.236.



This preview shows how white text looks on a background with the CIELCh color 87, 68.379, 90.236.

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, 68.379, 90.236

Protanopia

87, 67.729, 95.348

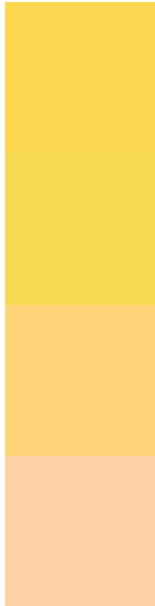
Deuteranopia

87, 38.137, 79.045



Tritanopia
87, 19.464, 2.263

Trichromacy



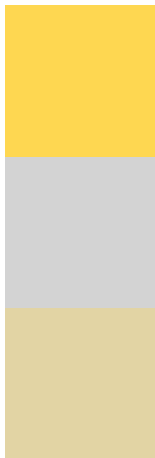
Original Color
87, 68.379, 90.236

Protanomaly
87, 67.775, 93.509

Deuteranomaly
87, 49.336, 85.240

Tritanomaly
87, 28.635, 69.320

Monochromacy



Original Color
87, 68.379, 90.236

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 25.660, 95.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 68.379, 90.236 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, 215, 81)` looks like.

```
.text, #text, p{  
    color:rgb(254, 215, 81)  
}
```

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, 215, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 215, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 68.379, 90.236 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, 215, 81) }
```

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

```
.border{ border-color:rgb(254, 215, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 215, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 215, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 215, 81);  
box-shadow:4px 4px 4px 4px rgb(254, 215,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 68.379, 90.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 215, 81) }
```

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

```
.background{ background-color: rgb(254,  
215, 81) }
```

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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