

Converting Colors

CIELCh(88, 67.360, 91.113)

Have a look what the booklet for
CIELCh(88, 67.360, 91.113) contains.

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Color

CIELCh(88, 67.306, 90.956)

Conversions

Conversions Part 1

Format	Color
Hex	FFDA56
RGB	255, 218, 86
RGB Percent	100%, 85%, 34%
CMY	0.0001, 0.1451, 0.6628
CMYK	0.00, 0.15, 0.66, 0.00
HSL	47°, 100%, 67%
HSV	47°, 66%, 100%
XYZ	67.9824, 72.0653, 19.1286
YIQ	214.0150, 64.4240, -33.2080

Conversions

Conversions Part 2

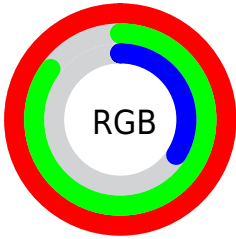
Format	Color
RYB	133, 255, 86
Decimal	16767574
CIELab	88.00, -1.12, 67.30
CIELCh	88, 67.306, 90.956
Yxy	72.0653, 0.4271, 0.4527
Android (android.graphics.Color)	4294957654 (0xFFFFDA56)
YUV	214.0150, -63.1114, 35.9438
Hunter-Lab	84.8913, -5.6138, 46.0640

Details

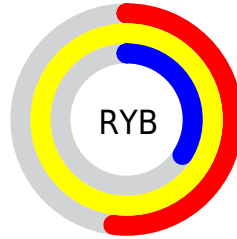
The CIELCh color **88, 67.306, 90.956** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **55, 75.272, 292.283**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 56.312, 105.868**, and **68, 67.166, 90.609** is the 20% darker color. If you saturate the color by 10%, you get **86, 75.266, 89.590**, and if you desaturate by 10%, it is **90, 58.034, 92.281**.

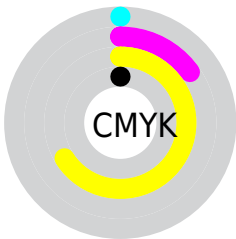
Distribution



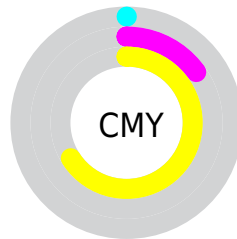
- Red (100%)
- Green (85%)
- Blue (34%)



- Red (52%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (15%)
- Yellow (66%)
- Black (0%)



- Cyan (0%)
- Magenta (15%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 67.306, 90.956 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 88, 67.306, 90.956 by changing the saturation by 10% instead.

 88, 67.306, 90.956

 88, 67.306, 90.956

 100, 67.306,
90.956

 78, 67.306, 90.956

 68, 67.306, 90.956

 58, 67.306, 90.956

 48, 67.306, 90.956

 38, 67.306, 90.956

 28, 67.306, 90.956

 18, 67.306, 90.956

 8, 67.306, 90.956

 0, 67.306, 90.956

88, 67.306, 90.956

88, 67.306, 90.956

86, 75.266, 89.590

90, 58.034, 92.281

85, 81.097, 88.126

91, 48.048, 93.578

84, 84.048, 86.480

93, 37.723, 94.853

83, 84.623, 85.828

95, 27.276, 96.104

97, 16.831, 97.322

99, 6.452, 98.490

100, 0.012,
273.113

Harmonies

Complementary

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



88, 67.306, 90.956



55, 75.272, 292.283

Rectangle

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



88, 67.306, 90.956



88, 67.306, 140.956



88, 67.306, 270.956



88, 67.306, 320.956

Sweetspot

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



88, 67.306, 90.959



96, 20.717, 96.873



61, 68.044, 12.257



51, 14.149, 96.530



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 67.306, 90.959



86, 77.737, 89.060



94, 81.614, 116.979



52, 5.859, 98.121



64, 68.264, 86.167



21, 30.068, 88.388

Inverse Universe

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



55, 75.272, 292.283



47, 92.771, 296.503



50, 96.606, 306.366



50, 5.919, 280.430



28, 92.490, 301.860



6, 36.932, 297.018

Previews

White Background



This preview shows how the CIELCh color 88, 67.306, 90.956 looks on a white background.

Color Contrast Check

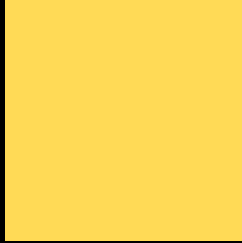
Large Text (above 18pt) WCAG AA × Fail

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 88, 67.306, 90.956 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 88, 67.306, 90.956

Background



This preview shows how black text looks on a background with the CIELCh color 88, 67.306, 90.956.



This preview shows how white text looks on a background with the CIELCh color 88, 67.306, 90.956.

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

88, 67.306, 90.956

Protanopia

88, 66.898, 95.403

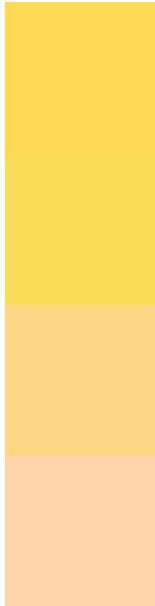
Deuteranopia

88, 33.717, 78.232



Tritanopia
88, 17.839, 2.137

Trichromacy



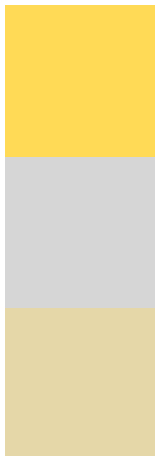
Original Color
88, 67.306, 90.956

Protanomaly
88, 66.847, 93.909

Deuteranomaly
88, 46.096, 85.343

Tritanomaly
88, 27.593, 70.040

Monochromacy



Original Color
88, 67.306, 90.956

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 25.594, 95.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 67.306, 90.956 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, 218, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 86)  
}
```

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, 218, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 67.306, 90.956 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, 218, 86) }
```

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

```
.border{ border-color:rgb(255, 218, 86) }
```

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

Here you see how a box with a 4 pixel rgb(255, 218, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 67.306, 90.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 86) }
```

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

```
.background{ background-color: rgb(255,  
218, 86) }
```

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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