

Converting Colors

CIELCh(88, 67.600, 96.884)

Have a look what the booklet for
CIELCh(88, 67.600, 96.884) contains.

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Color

CIELCh(88, 67.406, 96.898)

Conversions

Conversions Part 1

Format	Color
Hex	F3DE56
RGB	243, 222, 86
RGB Percent	95%, 87%, 34%
CMY	0.0465, 0.1289, 0.6622
CMYK	0.00, 0.09, 0.65, 0.05
HSL	52°, 87%, 65%
HSV	52°, 65%, 95%
XYZ	64.8515, 72.0653, 19.3232
YIQ	212.7750, 56.1720, -37.8440

Conversions

Conversions Part 2

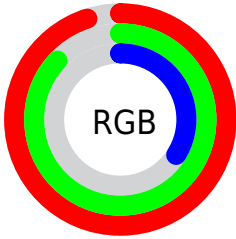
Format	Color
RYB	110, 243, 86
Decimal	15982166
CIELab	88.00, -8.10, 66.92
CIELCh	88, 67.406, 96.898
Yxy	72.0653, 0.4151, 0.4612
Android (android.graphics.Color)	4294172246 (0xFFFF3DE56)
YUV	212.7750, -62.5001, 26.5073
Hunter-Lab	84.8913, -12.1971, 45.9281

Details

The CIELCh color **88, 67.406, 96.898** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **51, 78.611, 295.819**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 56.312, 105.868**, and **68, 67.357, 96.991** is the 20% darker color. If you saturate the color by 10%, you get **87, 75.351, 95.830**, and if you desaturate by 10%, it is **89, 58.105, 98.005**.

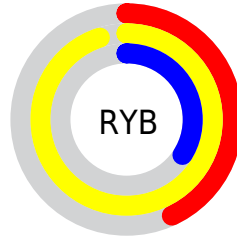
Distribution



Red (95%)

Green (87%)

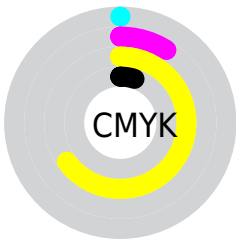
Blue (34%)



Red (43%)

Yellow (95%)

Blue (34%)

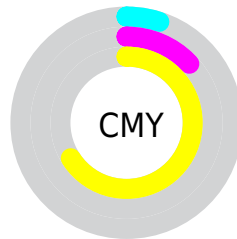


Cyan (0%)

Magenta (9%)

Yellow (65%)

Black (5%)



Cyan (5%)

Magenta (13%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 67.406, 96.898 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, 67.406, 96.898 by changing the saturation by 10% instead.

 88, 67.406, 96.898

 88, 67.406, 96.898

 100, 67.406,
96.898

 78, 67.406, 96.898

 68, 67.406, 96.898

 58, 67.406, 96.898

 48, 67.406, 96.898

 38, 67.406, 96.898

 28, 67.406, 96.898

 18, 67.406, 96.898

 8, 67.406, 96.898

 0, 67.406, 96.898

88, 67.406, 96.898

88, 67.406, 96.898

87, 75.351, 95.830

89, 58.105, 98.005

86, 81.231, 94.792

90, 47.995, 99.132

85, 84.415, 93.764

91, 37.441,
100.268

85, 85.207, 93.202

93, 26.669,
101.401

94, 15.811,
102.516

95, 4.948, 103.590

97, 5.200, 283.863

97, 3.880, 263.965

98, 3.368, 232.405

Harmonies

Complementary

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



88, 67.406, 96.898



51, 78.611, 295.819

Rectangle

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



88, 67.406, 96.898



88, 67.406, 146.898



88, 67.406, 276.898



88, 67.406, 326.898

Sweetspot

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



88, 67.406, 96.901



97, 21.432, 102.020



59, 64.823, 18.130



52, 14.751, 101.700



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, 67.406, 96.901



91, 79.954, 95.555



90, 78.374, 120.593



51, 6.193, 103.071



67, 69.824, 93.380



21, 29.685, 95.037

Inverse Universe

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



51, 78.611, 295.819



45, 99.213, 299.262



50, 90.284, 308.240



47, 6.292, 285.208



24, 98.338, 304.280



4, 36.202, 297.402

Previews

White Background



This preview shows how the CIELCh color 88, 67.406, 96.898 looks on a white background.

Color Contrast Check

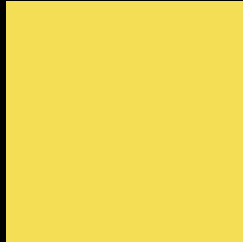
Large Text (above 18pt) WCAG AA × Fail

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, 67.406, 96.898 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, 67.406, 96.898

Background



This preview shows how black text looks on a background with the CIELCh color 88, 67.406, 96.898.

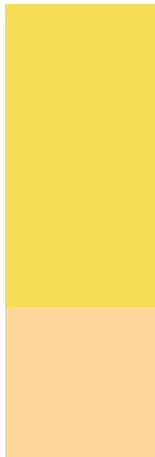


This preview shows how white text looks on a background with the CIELCh color 88, 67.406, 96.898.

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, 67.406, 96.898

Protanopia

88, 67.302, 95.420

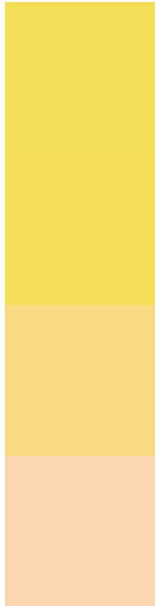
Deuteranopia

88, 34.176, 78.581



Tritanopia
88, 19.056, 355.051

Trichromacy



Original Color
88, 67.406, 96.898

Protanomaly
88, 67.225, 95.779

Deuteranomaly
88, 46.516, 88.724

Tritanomaly
88, 25.438, 72.240

Monochromacy



Original Color
88, 67.406, 96.898

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 25.670, 100.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 67.406, 96.898 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(243, 222, 86)` looks like.

```
.text, #text, p{  
    color:rgb(243, 222, 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(243, 222, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 222, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 67.406, 96.898 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(243, 222, 86) }
```

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

```
.border{ border-color:rgb(243, 222, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 222, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 222, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 222, 86);  
box-shadow:4px 4px 4px 4px rgb(243, 222,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 67.406, 96.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 222, 86) }
```

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

```
.background{ background-color: rgb(243,  
222, 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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