

Converting Colors

CIELCh(88, 72.616, 82.465)

Have a look what the booklet for
CIELCh(88, 72.616, 82.465) contains.

CIELCh(86, 69.452, 88.413)	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(86, 69.452, 88.413)

Conversions

Conversions Part 1

Format	Color
Hex	FED24B
RGB	254, 210, 75
RGB Percent	100%, 82%, 29%
CMY	0.0023, 0.1746, 0.7041
CMYK	0.00, 0.17, 0.70, 0.00
HSL	45°, 99%, 65%
HSV	45°, 70%, 100%
XYZ	65.4715, 67.9871, 16.4114
YIQ	207.7660, 69.5590, -32.6570

Conversions

Conversions Part 2

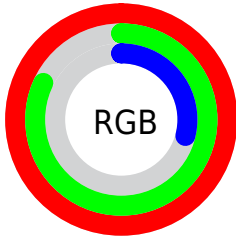
Format	Color
RYB	133, 254, 75
Decimal	16699979
CIELab	86.00, 1.92, 69.43
CIElCh	86, 69.452, 88.413
Yxy	67.9871, 0.4369, 0.4536
Android (android.graphics.Color)	4294890059 (0xFF FED24B)
YUV	207.7660, -65.4536, 40.5472
Hunter-Lab	82.4543, -2.5599, 45.9172

Details

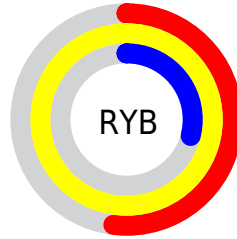
The CIELCh color **86, 69.452, 88.413** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **54, 77.342, 292.083**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 60.873, 105.518**, and **66, 69.406, 88.527** is the 20% darker color. If you saturate the color by 10%, you get **84, 76.728, 86.917**, and if you desaturate by 10%, it is **88, 60.635, 89.823**.

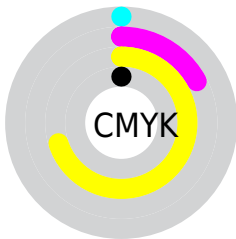
Distribution



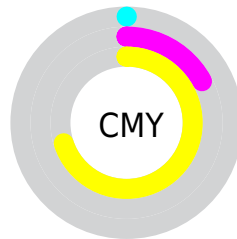
- Red (100%)
- Green (82%)
- Blue (29%)



- Red (52%)
- Yellow (100%)
- Blue (29%)



- Cyan (0%)
- Magenta (17%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 69.452, 88.413 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 86, 69.452, 88.413 by changing the saturation by 10% instead.

 86, 69.452, 88.413

 86, 69.452, 88.413

 100, 69.452,
88.413

 76, 69.452, 88.413

 66, 69.452, 88.413

 56, 69.452, 88.413

 46, 69.452, 88.413

 36, 69.452, 88.413

 26, 69.452, 88.413

 16, 69.452, 88.413

 6, 69.452, 88.413

 0, 69.452, 88.413

86, 69.452, 88.413

86, 69.452, 88.413

84, 76.728, 86.917

88, 60.635, 89.823

83, 81.589, 85.242

90, 50.971, 91.181

81, 83.678, 83.382

91, 40.905, 92.506

93, 30.694, 93.802

95, 20.483, 95.064

98, 10.348, 96.282

100, 0.326, 96.814

100, 0.204,
202.635

Harmonies

Complementary

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



86, 69.452, 88.413



54, 77.342, 292.083

Rectangle

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



86, 69.452, 88.413



86, 69.452, 138.413



86, 69.452, 268.413



86, 69.452, 318.413

Sweetspot

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



86, 69.452, 88.416



96, 21.197, 94.981



60, 71.401, 12.332



50, 14.367, 94.636



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 69.452, 88.416



84, 78.978, 86.328



94, 84.956, 116.172



52, 5.698, 96.381



63, 67.608, 83.769



21, 29.536, 86.193

Inverse Universe

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



54, 77.342, 292.083



46, 94.325, 296.492



47, 102.372, 306.394



50, 5.744, 278.740



29, 89.555, 300.859



7, 35.845, 296.062

Previews

White Background



This preview shows how the CIELCh color 86, 69.452, 88.413 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 86, 69.452, 88.413 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 86, 69.452, 88.413

Background



This preview shows how black text looks on a background with the CIELCh color 86, 69.452, 88.413.



This preview shows how white text looks on a background with the CIELCh color 86, 69.452, 88.413.

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

86, 69.460, 88.376

Protanopia

86, 68.910, 95.331

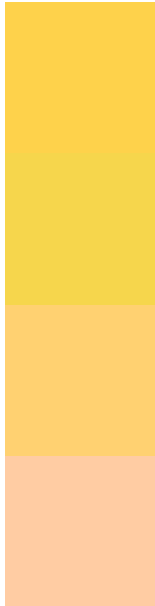
Deuteranopia

86, 43.027, 79.802



Tritanopia
86, 20.972, 3.772

Trichromacy



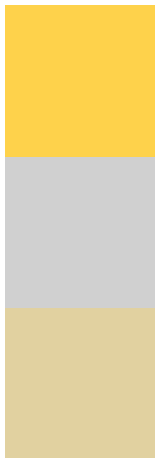
Original Color
86, 69.460, 88.376

Protanomaly
86, 69.154, 92.783

Deuteranomaly
86, 53.341, 84.365

Tritanomaly
86, 30.066, 65.180

Monochromacy



Original Color
86, 69.460, 88.376

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 26.424, 93.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 69.452, 88.413 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, 210, 75)` looks like.

```
.text, #text, p{  
    color:rgb(254, 210, 75)  
}
```

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, 210, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 210, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 69.452, 88.413 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, 210, 75) }
```

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

```
.border{ border-color:rgb(254, 210, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 210, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 210, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 210, 75);  
box-shadow:4px 4px 4px 4px rgb(254, 210,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 69.452, 88.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 210, 75) }
```

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

```
.background{ background-color: rgb(254,  
210, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor