

Converting Colors

CIELCh(86, 70.663, 87.907)

Have a look what the booklet for
CIELCh(86, 70.663, 87.907) contains.

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Color

CIELCh(86, 70.719, 88.179)

Conversions

Conversions Part 1

Format	Color
Hex	FFD248
RGB	255, 210, 72
RGB Percent	100%, 82%, 28%
CMY	0.0000, 0.1755, 0.7167
CMYK	0.00, 0.18, 0.72, 0.00
HSL	45°, 100%, 64%
HSV	45°, 72%, 100%
XYZ	65.6157, 67.9871, 15.8363
YIQ	207.7230, 71.1180, -33.3780

Conversions

Conversions Part 2

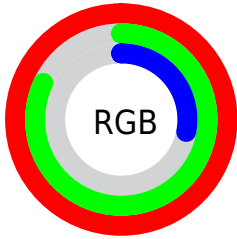
Format	Color
RYB	132, 255, 72
Decimal	16765512
CIELab	86.00, 2.25, 70.68
CIELCh	86, 70.719, 88.179
Yxy	67.9871, 0.4391, 0.4549
Android (android.graphics.Color)	4294955592 (0xFFFFD248)
YUV	207.7230, -66.9114, 41.4619
Hunter-Lab	82.4543, -2.2479, 46.3307

Details

The CIELCh color **86, 70.719, 88.179** 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 **53, 79.186, 292.537**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.217, 105.416**, and **66, 69.672, 88.173** is the 20% darker color. If you saturate the color by 10%, you get **84, 77.699, 86.753**, and if you desaturate by 10%, it is **88, 62.011, 89.683**.

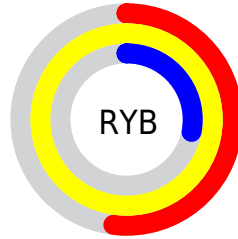
Distribution



Red (100%)

Green (82%)

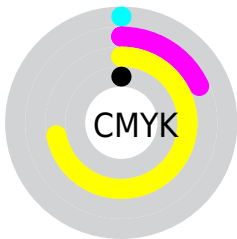
Blue (28%)



Red (52%)

Yellow (100%)

Blue (28%)

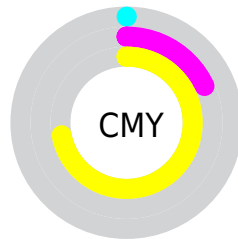


Cyan (0%)

Magenta (18%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 70.719, 88.179 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, 70.719, 88.179 by changing the saturation by 10% instead.

 86, 70.719, 88.179

 86, 70.719, 88.179

 100, 70.719,
88.179

 76, 70.719, 88.179

 66, 70.719, 88.179

 56, 70.719, 88.179

 46, 70.719, 88.179

 36, 70.719, 88.179

 26, 70.719, 88.179

 16, 70.719, 88.179

 6, 70.719, 88.179

 0, 70.719, 88.179

86, 70.719, 88.179

86, 70.719, 88.179

84, 77.699, 86.753

88, 62.011, 89.683

83, 82.179, 85.049

90, 52.411, 91.045

81, 83.841, 83.435

91, 42.358, 92.373

93, 32.134, 93.672

95, 21.893, 94.938

97, 11.720, 96.163

100, 1.657, 97.242

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.



86, 70.719, 88.179



53, 79.186, 292.537

Rectangle

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



86, 70.719, 88.179



86, 70.719, 138.179



86, 70.719, 268.179



86, 70.719, 318.179

Sweetspot

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



86, 70.683, 88.268



95, 22.231, 94.897



59, 72.657, 12.822



50, 14.957, 94.557



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, 70.683, 88.268



84, 79.998, 86.045



94, 86.276, 116.164



52, 5.702, 96.421



63, 67.621, 83.823



21, 29.547, 86.243

Inverse Universe

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



53, 79.186, 292.537



45, 96.856, 297.169



47, 104.436, 306.523



50, 5.748, 278.779



29, 89.623, 300.883



7, 35.870, 296.086

Previews

White Background



This preview shows how the CIELCh color 86, 70.719, 88.179 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, 70.719, 88.179 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, 70.719, 88.179

Background



This preview shows how black text looks on a background with the CIELCh color 86, 70.719, 88.179.



This preview shows how white text looks on a background with the CIELCh color 86, 70.719, 88.179.

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, 70.719, 88.179

Protanopia

86, 70.050, 95.369

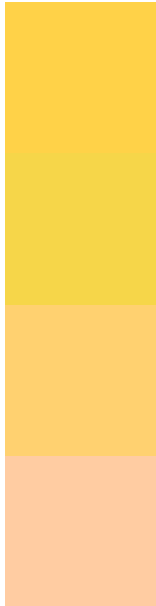
Deuteranopia

86, 43.488, 80.036



Tritanopia
86, 20.972, 3.772

Trichromacy



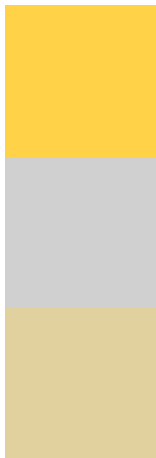
Original Color
86, 70.719, 88.179

Protanomaly
86, 70.286, 92.858

Deuteranomaly
86, 53.792, 84.493

Tritanomaly
86, 30.471, 65.769

Monochromacy



Original Color
86, 70.719, 88.179

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 26.929, 94.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 70.719, 88.179 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, 210, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 72)  
}
```

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, 210, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 70.719, 88.179 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, 210, 72) }
```

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

```
.border{ border-color:rgb(255, 210, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 70.719, 88.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 72) }
```

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

```
.background{ background-color: rgb(255,  
210, 72) }
```

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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