

Converting Colors

CIELCh(80, 70.339, 85.624)

Have a look what the booklet for
CIELCh(80, 70.339, 85.624) contains.

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Color

CIELCh(80, 70.328, 85.577)

Conversions

Conversions Part 1

Format	Color
Hex	F2C039
RGB	242, 192, 57
RGB Percent	95%, 75%, 22%
CMY	0.0523, 0.2482, 0.7777
CMYK	0.00, 0.21, 0.77, 0.05
HSL	44°, 87%, 58%
HSV	44°, 77%, 95%
XYZ	56.0202, 56.6813, 11.8167
YIQ	191.5600, 73.1350, -31.3850

Conversions

Conversions Part 2

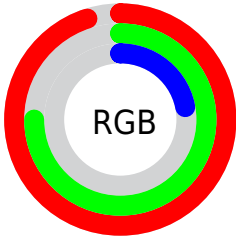
Format	Color
R _Y B	126, 242, 57
Decimal	15908921
CIE Lab	80.00, 5.42, 70.12
CIE LCh	80, 70.328, 85.577
Yxy	56.6813, 0.4499, 0.4552
Android (android.graphics.Color)	4294099001 (0xFFFF2C039)
YUV	191.5600, -66.3381, 44.2359
Hunter-Lab	75.2870, 1.0675, 43.3950

Details

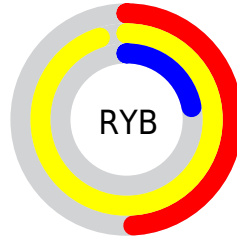
The CIELCh color **80, 70.328, 85.577** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **49, 78.632, 292.654**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 65.537, 102.548**, and **60, 65.217, 85.071** is the 20% darker color. If you saturate the color by 10%, you get **78, 76.154, 83.885**, and if you desaturate by 10%, it is **82, 62.596, 87.103**.

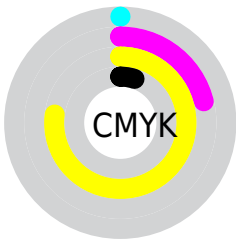
Distribution



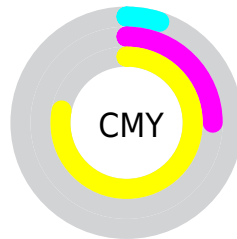
- Red (95%)
- Green (75%)
- Blue (22%)



- Red (49%)
- Yellow (95%)
- Blue (22%)



- Cyan (0%)
- Magenta (21%)
- Yellow (77%)
- Black (5%)



- Cyan (5%)
- Magenta (25%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 70.328, 85.577 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 80, 70.328, 85.577 by changing the saturation by 10% instead.

 80, 70.328, 85.577

 80, 70.328, 85.577

 100, 70.328,
85.577

 70, 70.328, 85.577

 60, 70.328, 85.577

 50, 70.328, 85.577

 40, 70.328, 85.577

 30, 70.328, 85.577

 20, 70.328, 85.577

 10, 70.328, 85.577

 0, 70.328, 85.577

 80, 70.328, 85.577

 80, 70.328, 85.577

78, 76.154, 83.885

82, 62.596, 87.103

77, 79.275, 81.888

84, 53.760, 88.534

76, 79.947, 81.151

86, 44.374, 89.914

88, 34.770, 91.256

90, 25.134, 92.563

92, 15.563, 93.831

94, 6.107, 95.040

96, 3.214, 276.337

98, 3.786, 237.309

Harmonies

Complementary

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



80, 70.328, 85.577



49, 78.632, 292.654

Rectangle

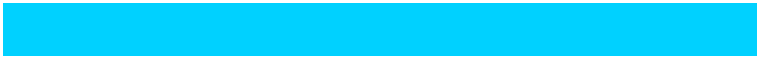
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 70.328, 85.577



80, 70.328, 135.577



80, 70.328, 265.577



80, 70.328, 315.577

Sweetspot

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



80, 70.327, 85.580



95, 22.697, 93.009



55, 72.945, 11.904



50, 15.744, 92.544



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 70.327, 85.580



81, 81.549, 82.789



90, 85.888, 114.601



49, 5.280, 94.696



59, 65.133, 81.584



18, 25.567, 84.378

Inverse Universe

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



49, 78.632, 292.654



44, 100.501, 297.907



41, 106.637, 306.331



47, 5.311, 277.086



29, 83.885, 299.741



6, 30.457, 292.729

Previews

White Background



This preview shows how the CIELCh color 80, 70.328, 85.577 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 80, 70.328, 85.577 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 80, 70.328, 85.577

Background



This preview shows how black text looks on a background with the CIELCh color 80, 70.328, 85.577.



This preview shows how white text looks on a background with the CIELCh color 80, 70.328, 85.577.

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

80, 70.328, 85.577

Protanopia

80, 69.046, 95.152

Deuteranopia

80, 70.716, 81.881



Tritanopia
80, 28.317, 6.862

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 70.328, 85.577 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(242, 192, 57)` looks like.

```
.text, #text, p{  
    color:rgb(242, 192, 57)  
}
```

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(242, 192, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 192, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 70.328, 85.577 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(242, 192, 57) }
```

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

```
.border{ border-color:rgb(242, 192, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 192, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 192, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 192, 57);  
box-shadow:4px 4px 4px 4px rgb(242, 192,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 70.328, 85.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 192, 57) }
```

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

```
.background{ background-color: rgb(242,  
192, 57) }
```

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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