

Converting Colors

CIELCh(82, 71.869, 89.600)

Have a look what the booklet for
CIELCh(82, 71.869, 89.600) contains.

CIELCh(82, 71.721, 89.652)	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(82, 71.721, 89.652)

Conversions

Conversions Part 1

Format	Color
Hex	F0C839
RGB	240, 200, 57
RGB Percent	94%, 78%, 22%
CMY	0.0577, 0.2147, 0.7753
CMYK	0.00, 0.17, 0.76, 0.06
HSL	47°, 86%, 58%
HSV	47°, 76%, 94%
XYZ	57.4891, 60.2982, 12.5165
YIQ	195.6580, 69.7430, -35.9930

Conversions

Conversions Part 2

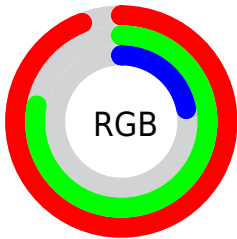
Format	Color
R _Y B	108, 240, 57
Decimal	15779897
CIE Lab	82.00, 0.44, 71.72
CIE LCh	82, 71.721, 89.652
Yxy	60.2982, 0.4412, 0.4628
Android (android.graphics.Color)	4293969977 (0xFFFF0C839)
YUV	195.6580, -68.3584, 38.8879
Hunter-Lab	77.6519, -3.7395, 44.7995

Details

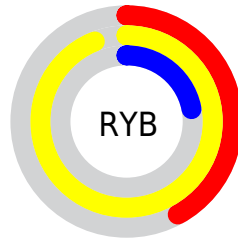
The CIELCh color **82, 71.721, 89.652** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **47, 83.717, 295.233**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 68.311, 104.953**, and **62, 66.141, 88.862** is the 20% darker color. If you saturate the color by 10%, you get **81, 77.369, 88.201**, and if you desaturate by 10%, it is **83, 64.080, 91.016**.

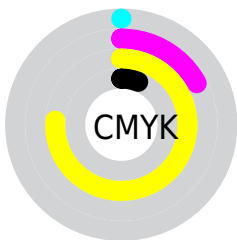
Distribution



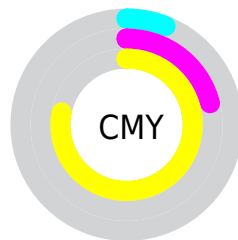
- Red (94%)
- Green (78%)
- Blue (22%)



- Red (42%)
- Yellow (94%)
- Blue (22%)



- Cyan (0%)
- Magenta (17%)
- Yellow (76%)
- Black (6%)



- Cyan (6%)
- Magenta (21%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 71.721, 89.652 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 82, 71.721, 89.652 by changing the saturation by 10% instead.

 82, 71.721, 89.652

 82, 71.721, 89.652

 100, 71.721,
89.652

 72, 71.721, 89.652

 62, 71.721, 89.652

 52, 71.721, 89.652

 42, 71.721, 89.652

 32, 71.721, 89.652

 22, 71.721, 89.652

 12, 71.721, 89.652

 2, 71.721, 89.652

 0, 71.721, 89.652

82, 71.721, 89.652

82, 71.721, 89.652

81, 77.369, 88.201

83, 64.080, 91.016

79, 80.300, 86.571

85, 55.215, 92.333

79, 80.930, 85.908

87, 45.685, 93.625

88, 35.839, 94.895

90, 25.881, 96.141

92, 15.926, 97.354

94, 6.035, 98.517

96, 3.761, 279.741

97, 4.523, 256.880

Harmonies

Complementary

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



82, 71.721, 89.652



47, 83.717, 295.233

Rectangle

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



82, 71.721, 89.652



82, 71.721, 139.652



82, 71.721, 269.652



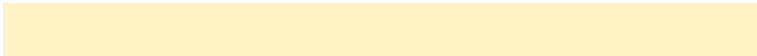
82, 71.721, 319.652

Sweetspot

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



82, 71.721, 89.655



96, 23.856, 96.519



55, 72.983, 15.839



50, 16.531, 96.074



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 71.721, 89.655



84, 82.888, 87.393



89, 86.090, 116.948



49, 5.570, 98.140



62, 66.242, 86.239



19, 26.555, 88.771

Inverse Universe

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



47, 83.717, 295.233



42, 106.508, 299.888



42, 105.163, 307.219



47, 5.626, 280.433



27, 89.511, 301.788



5, 32.057, 294.337

Previews

White Background



This preview shows how the CIELCh color 82, 71.721, 89.652 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 82, 71.721, 89.652 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 82, 71.721, 89.652

Background



This preview shows how black text looks on a background with the CIELCh color 82, 71.721, 89.652.



This preview shows how white text looks on a background with the CIELCh color 82, 71.721, 89.652.

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

82, 71.721, 89.652

Protanopia

82, 71.588, 95.414

Deuteranopia

82, 69.474, 81.499



Tritanopia
82, 25.143, 4.593

Trichromacy



Original Color
82, 71.721, 89.652

Protanomaly
82, 71.368, 93.243

Deuteranomaly
82, 70.326, 84.314

Tritanomaly
82, 32.510, 64.058

Monochromacy



Original Color
82, 71.721, 89.652

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 28.030, 95.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 71.721, 89.652 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(240, 200, 57)` looks like.

```
.text, #text, p{  
    color:rgb(240, 200, 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(240, 200, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 200, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 71.721, 89.652 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(240, 200, 57) }
```

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

```
.border{ border-color:rgb(240, 200, 57) }
```

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

Here you see how a box with a 4 pixel rgb(240, 200, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 200, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 200, 57);  
box-shadow:4px 4px 4px 4px rgb(240, 200,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 71.721, 89.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 200, 57) }
```

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

```
.background{ background-color: rgb(240,  
200, 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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