

Converting Colors

CIELCh(90, 89.806, 64.744)

Have a look what the booklet for
CIELCh(90, 89.806, 64.744) contains.

CIELCh(82, 71.597, 81.948)	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, 71.597, 81.948)

Conversions

Conversions Part 1

Format	Color
Hex	FFC23D
RGB	255, 194, 61
RGB Percent	100%, 76%, 24%
CMY	0.0000, 0.2385, 0.7600
CMYK	0.00, 0.24, 0.76, 0.00
HSL	41°, 100%, 62%
HSV	41°, 76%, 100%
XYZ	61.4913, 60.2982, 12.8392
YIQ	197.0770, 79.0490, -28.4310

Conversions

Conversions Part 2

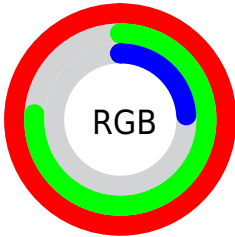
Format	Color
RYB	150, 255, 61
Decimal	16761405
CIELab	82.00, 10.03, 70.89
CIElCh	82, 71.597, 81.948
Yxy	60.2982, 0.4567, 0.4479
Android (android.graphics.Color)	4294951485 (0xFFFFC23D)
YUV	197.0770, -67.0860, 50.7985
Hunter-Lab	77.6519, 5.4604, 44.5532

Details

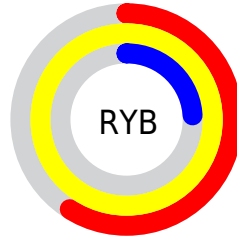
The CIELCh color **82, 71.597, 81.948** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **54, 76.317, 289.911**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 65.023, 103.327**, and **62, 67.790, 81.196** is the 20% darker color. If you saturate the color by 10%, you get **80, 78.024, 80.156**, and if you desaturate by 10%, it is **84, 63.266, 83.642**.

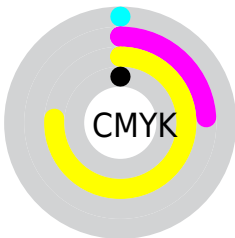
Distribution



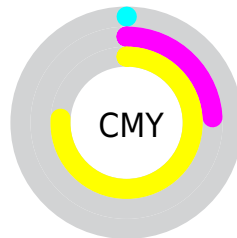
- Red (100%)
- Green (76%)
- Blue (24%)



- Red (59%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (24%)
- Yellow (76%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 71.597, 81.948 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, 71.597, 81.948 by changing the saturation by 10% instead.

82, 71.597, 81.948

82, 71.597, 81.948

100, 71.597,
81.948

72, 71.597, 81.948

62, 71.597, 81.948

52, 71.597, 81.948

42, 71.597, 81.948

32, 71.597, 81.948

22, 71.597, 81.948

12, 71.597, 81.948

2, 71.597, 81.948

0, 71.597, 81.948

82, 71.597, 81.948

82, 71.597, 81.948

80, 78.024, 80.156

84, 63.266, 83.642

78, 81.729, 77.894

86, 53.992, 85.148

77, 82.621, 76.899

89, 44.287, 86.584

91, 34.466, 87.974

93, 24.694, 89.324

96, 15.056, 90.629

98, 5.587, 91.867

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.



82, 71.597, 81.948



54, 76.317, 289.911

Rectangle

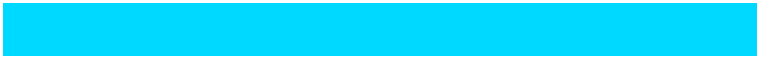
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 71.597, 81.948



82, 71.597, 131.948



82, 71.597, 261.948



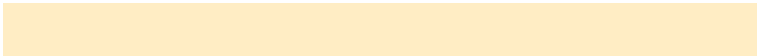
82, 71.597, 311.948

Sweetspot

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



82, 71.559, 82.014



94, 21.784, 89.721



58, 75.544, 9.018



49, 15.126, 89.243



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, 71.559, 82.014



79, 80.264, 79.088



95, 88.692, 112.980



52, 5.313, 91.446



59, 66.586, 77.413



19, 28.369, 80.158

Inverse Universe

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



54, 76.317, 289.911



47, 93.033, 295.272



43, 110.972, 305.729



50, 5.323, 273.927



32, 81.418, 297.739



8, 32.677, 292.769

Previews

White Background



This preview shows how the CIELCh color 82, 71.597, 81.948 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, 71.597, 81.948 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, 71.597, 81.948

Background



This preview shows how black text looks on a background with the CIELCh color 82, 71.597, 81.948.



This preview shows how white text looks on a background with the CIELCh color 82, 71.597, 81.948.

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, 71.597, 81.948

Protanopia

82, 69.508, 95.362

Deuteranopia

82, 69.109, 81.418



Tritanopia
82, 27.253, 8.435

Trichromacy



Original Color
82, 71.597, 81.948

Protanomaly
82, 69.653, 90.564

Deuteranomaly
82, 69.837, 81.579

Tritanomaly
81, 35.429, 56.960

Monochromacy



Original Color
82, 71.597, 81.948

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 26.973, 88.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 71.597, 81.948 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, 194, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 61)  
}
```

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, 194, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 71.597, 81.948 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, 194, 61) }
```

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

```
.border{ border-color:rgb(255, 194, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 71.597, 81.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 61) }
```

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

```
.background{ background-color: rgb(255,  
194, 61) }
```

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