

Converting Colors

CIELCh(82, 75.047, 83.160)

Have a look what the booklet for
CIELCh(82, 75.047, 83.160) contains.

CIELCh(82, 75.103, 83.339)	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, 75.103, 83.339)

Conversions

Conversions Part 1

Format	Color
Hex	FEC332
RGB	254, 195, 50
RGB Percent	100%, 76%, 20%
CMY	0.0041, 0.2355, 0.8041
CMYK	0.00, 0.23, 0.80, 0.00
HSL	43°, 99%, 60%
HSV	43°, 80%, 100%
XYZ	60.9311, 60.2982, 11.4384
YIQ	196.1110, 81.7090, -32.5870

Conversions

Conversions Part 2

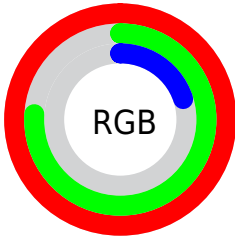
Format	Color
RYB	133, 254, 50
Decimal	16696114
CIELab	82.00, 8.71, 74.60
CIELCh	82, 75.103, 83.339
Yxy	60.2982, 0.4593, 0.4545
Android (android.graphics.Color)	4294886194 (0xFFFECC332)
YUV	196.1110, -72.0327, 50.7687
Hunter-Lab	77.6519, 4.1727, 45.6227

Details

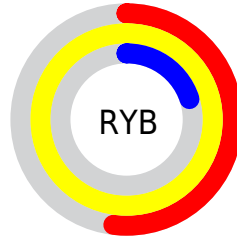
The CIELCh color **82, 75.103, 83.339** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **50, 83.954, 292.915**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 68.832, 103.484**, and **62, 67.498, 82.397** is the 20% darker color. If you saturate the color by 10%, you get **80, 80.255, 81.444**, and if you desaturate by 10%, it is **84, 67.641, 84.985**.

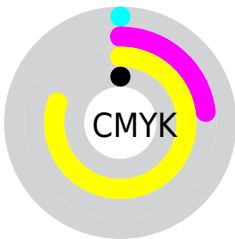
Distribution



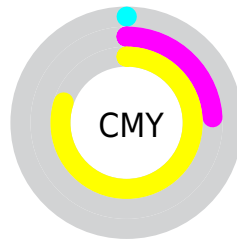
- Red (100%)
- Green (76%)
- Blue (20%)



- Red (52%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (23%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 75.103, 83.339 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, 75.103, 83.339 by changing the saturation by 10% instead.

 82, 75.103, 83.339

 82, 75.103, 83.339

 100, 75.103,
83.339

 72, 75.103, 83.339

 62, 75.103, 83.339

 52, 75.103, 83.339

 42, 75.103, 83.339

 32, 75.103, 83.339

 22, 75.103, 83.339

 12, 75.103, 83.339

 2, 75.103, 83.339

 0, 75.103, 83.339

82, 75.103, 83.339

82, 75.103, 83.339

80, 80.255, 81.444

84, 67.641, 84.985

78, 82.651, 79.267

86, 58.786, 86.490

88, 49.220, 87.920

90, 39.362, 89.303

92, 29.446, 90.648

95, 19.596, 91.953

97, 9.873, 93.209

100, 0.303, 93.624

100, 0.367,
201.188

Harmonies

Complementary

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



82, 75.103, 83.339



50, 83.954, 292.915

Rectangle

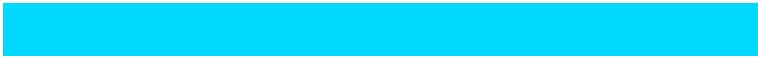
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 75.103, 83.339



82, 75.103, 133.339



82, 75.103, 263.339



82, 75.103, 313.339

Sweetspot

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



82, 75.102, 83.342



94, 23.276, 91.478



57, 78.262, 12.174



49, 16.031, 91.012



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, 75.102, 83.342



79, 82.110, 80.188



94, 91.648, 113.833



52, 5.447, 93.309



61, 66.842, 79.733



20, 28.755, 82.401

Inverse Universe

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



50, 83.954, 292.915



43, 102.264, 298.287



41, 115.928, 306.424



50, 5.470, 275.748



31, 84.435, 298.961



7, 33.882, 294.121

Previews

White Background



This preview shows how the CIELCh color 82, 75.103, 83.339 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, 75.103, 83.339 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, 75.103, 83.339

Background



This preview shows how black text looks on a background with the CIELCh color 82, 75.103, 83.339.



This preview shows how white text looks on a background with the CIELCh color 82, 75.103, 83.339.

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, 75.103, 83.339

Protanopia

82, 73.519, 95.451

Deuteranopia

82, 69.837, 81.579



Tritanopia
82, 26.785, 9.296

Trichromacy



Original Color
82, 75.103, 83.339

Protanomaly
82, 73.630, 90.891

Deuteranomaly
82, 71.938, 82.017

Tritanomaly
82, 36.921, 60.144

Monochromacy



Original Color
82, 75.103, 83.339

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 29.341, 90.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 75.103, 83.339 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, 195, 50)` looks like.

```
.text, #text, p{  
    color:rgb(254, 195, 50)  
}
```

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, 195, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 195, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 75.103, 83.339 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, 195, 50) }
```

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

```
.border{ border-color:rgb(254, 195, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 195, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 195, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 195, 50);  
box-shadow:4px 4px 4px 4px rgb(254, 195,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 75.103, 83.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 195, 50) }
```

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

```
.background{ background-color: rgb(254,  
195, 50) }
```

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