

Converting Colors

CIELCh(81, 77.801, 82.497)

Have a look what the booklet for
CIELCh(81, 77.801, 82.497) contains.

CIELCh(81, 77.818, 82.273)	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(81, 77.818, 82.273)

Conversions

Conversions Part 1

Format	Color
Hex	FEBF26
RGB	254, 191, 38
RGB Percent	100%, 75%, 15%
CMY	0.0039, 0.2510, 0.8510
CMYK	0.00, 0.25, 0.85, 0.00
HSL	43°, 99%, 57%
HSV	43°, 85%, 100%
XYZ	59.8525, 58.4711, 9.9650
YIQ	192.3950, 86.6610, -34.2270

Conversions

Conversions Part 2

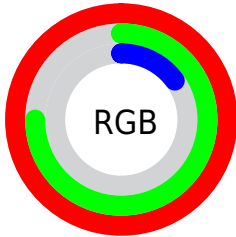
Format	Color
R _Y B	127, 254, 38
Decimal	16695078
CIE Lab	81.00, 10.46, 77.11
CIE LCh	81, 77.818, 82.273
Yxy	58.4711, 0.4665, 0.4558
Android (android.graphics.Color)	4294885158 (0xFFFEBF26)
YUV	192.3950, -76.1167, 54.0276
Hunter-Lab	76.4664, 5.9011, 45.7999

Details

The CIELCh color **81, 77.818, 82.273** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **48, 89.082, 294.410**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 71.024, 101.949**, and **61, 67.146, 80.464** is the 20% darker color. If you saturate the color by 10%, you get **79, 81.615, 80.187**, and if you desaturate by 10%, it is **83, 71.307, 84.029**.

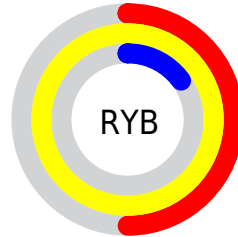
Distribution



Red (100%)

Green (75%)

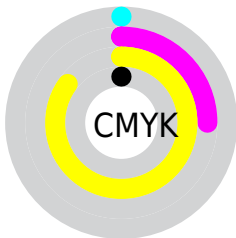
Blue (15%)



Red (50%)

Yellow (100%)

Blue (15%)

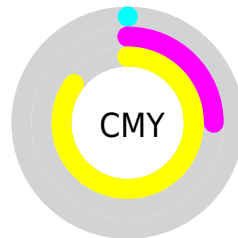


Cyan (0%)

Magenta (25%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 77.818, 82.273 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 81, 77.818, 82.273 by changing the saturation by 10% instead.

81, 77.818, 82.273

81, 77.818, 82.273

100, 77.818,
82.273

71, 77.818, 82.273

61, 77.818, 82.273

51, 77.818, 82.273

41, 77.818, 82.273

31, 77.818, 82.273

21, 77.818, 82.273

11, 77.818, 82.273

1, 77.818, 82.273

0, 77.818, 82.273

81, 77.818, 82.273

81, 77.818, 82.273

79, 81.615, 80.187

83, 71.307, 84.029

78, 82.628, 79.029

85, 62.995, 85.594

87, 53.695, 87.059

89, 43.942, 88.466

91, 34.043, 89.830

94, 24.167, 91.157

96, 14.398, 92.440

98, 4.775, 93.652

100, 0.348,
201.287

Harmonies

Complementary

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



81, 77.818, 82.273



48, 89.082, 294.410

Rectangle

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



81, 77.818, 82.273



81, 77.818, 132.273



81, 77.818, 262.273



81, 77.818, 312.273

Sweetspot

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



81, 77.817, 82.276



94, 25.194, 91.030



56, 81.064, 14.316



49, 17.120, 90.574



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 77.817, 82.276



79, 82.874, 79.024



94, 94.376, 113.955



52, 5.434, 93.125



60, 66.811, 79.499



20, 28.714, 82.177

Inverse Universe

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



48, 89.082, 294.410



41, 106.296, 299.417



38, 121.217, 306.782



50, 5.455, 275.569



31, 84.134, 298.842



7, 33.763, 293.994

Previews

White Background



This preview shows how the CIELCh color 81, 77.818, 82.273 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 81, 77.818, 82.273 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 81, 77.818, 82.273

Background



This preview shows how black text looks on a background with the CIELCh color 81, 77.818, 82.273.



This preview shows how white text looks on a background with the CIELCh color 81, 77.818, 82.273.

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

81, 77.818, 82.273

Protanopia

81, 75.691, 95.052

Deuteranopia

81, 77.818, 82.273



Tritanopia
81, 28.417, 10.186

Trichromacy



Original Color
81, 77.818, 82.273

Protanomaly
81, 75.941, 90.272

Deuteranomaly
81, 77.818, 82.273

Tritanomaly
81, 39.596, 60.031

Monochromacy



Original Color
81, 77.818, 82.273

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 31.222, 89.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 77.818, 82.273 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, 191, 38)` looks like.

```
.text, #text, p{  
    color:rgb(254, 191, 38)  
}
```

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, 191, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 191, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 77.818, 82.273 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, 191, 38) }
```

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

```
.border{ border-color:rgb(254, 191, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 191, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 191, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 191, 38);  
box-shadow:4px 4px 4px 4px rgb(254, 191,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 77.818, 82.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 191, 38) }
```

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

```
.background{ background-color: rgb(254,  
191, 38) }
```

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