

Converting Colors

CIELCh(80, 73.054, 80.312)

Have a look what the booklet for
CIELCh(80, 73.054, 80.312) contains.

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Color

CIELCh(80, 73.202, 80.162)

Conversions

Conversions Part 1

Format	Color
Hex	FDBB34
RGB	253, 187, 52
RGB Percent	99%, 73%, 20%
CMY	0.0078, 0.2666, 0.7960
CMYK	0.00, 0.26, 0.79, 0.01
HSL	40°, 98%, 60%
HSV	40°, 79%, 99%
XYZ	58.9083, 56.6813, 11.0865
YIQ	191.3440, 82.6710, -27.9930

Conversions

Conversions Part 2

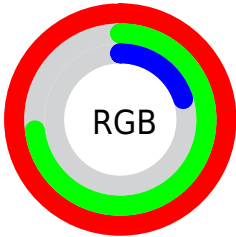
Format	Color
RYB	150, 253, 52
Decimal	16628532
CIELab	80.00, 12.51, 72.13
CIELCh	80, 73.202, 80.162
Yxy	56.6813, 0.4650, 0.4475
Android (android.graphics.Color)	4294818612 (0xFFFDBB34)
YUV	191.3440, -68.6966, 54.0723
Hunter-Lab	75.2870, 7.9151, 43.9700

Details

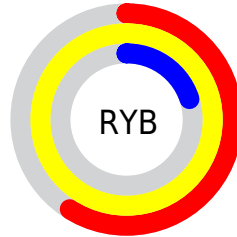
The CIELCh color **80, 73.202, 80.162** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **53, 77.824, 290.185**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 65.787, 100.647**, and **60, 66.666, 78.865** is the 20% darker color. If you saturate the color by 10%, you get **78, 78.913, 78.138**, and if you desaturate by 10%, it is **82, 65.387, 81.887**.

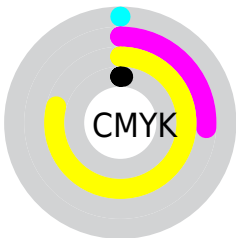
Distribution



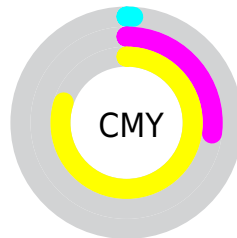
- Red (99%)
- Green (73%)
- Blue (20%)



- Red (59%)
- Yellow (99%)
- Blue (20%)



- Cyan (0%)
- Magenta (26%)
- Yellow (79%)
- Black (1%)



- Cyan (1%)
- Magenta (27%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 73.202, 80.162 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, 73.202, 80.162 by changing the saturation by 10% instead.

 80, 73.202, 80.162

 80, 73.202, 80.162

 100, 73.202,
80.162

 70, 73.202, 80.162

 60, 73.202, 80.162

 50, 73.202, 80.162

 40, 73.202, 80.162

 30, 73.202, 80.162

 20, 73.202, 80.162

 10, 73.202, 80.162

 0, 73.202, 80.162

 80, 73.202, 80.162

 80, 73.202, 80.162

78, 78.913, 78.138

82, 65.387, 81.887

76, 81.902, 75.656

84, 56.396, 83.445

76, 82.042, 75.513

87, 46.867, 84.916

89, 37.174, 86.332

92, 27.515, 87.705

94, 17.988, 89.035

97, 8.639, 90.311

99, 0.519, 272.138

100, 0.689,
200.323

Harmonies

Complementary

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



80, 73.202, 80.162



53, 77.824, 290.185

Rectangle

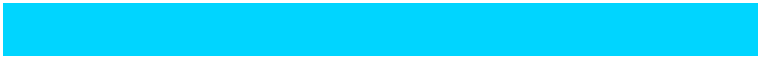
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 73.202, 80.162



80, 73.202, 130.162



80, 73.202, 260.162



80, 73.202, 310.162

Sweetspot

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



80, 73.201, 80.165



94, 22.454, 88.433



57, 77.243, 8.973



49, 15.480, 87.956



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, 73.201, 80.165



77, 81.332, 76.794



94, 90.295, 112.154



52, 5.237, 90.303



59, 66.495, 76.040



19, 28.162, 78.806

Inverse Universe

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



53, 77.824, 290.185



46, 95.274, 295.877



40, 114.892, 305.841



50, 5.238, 272.806



32, 79.611, 296.965



8, 31.938, 291.872

Previews

White Background



This preview shows how the CIELCh color 80, 73.202, 80.162 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, 73.202, 80.162 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, 73.202, 80.162

Background



This preview shows how black text looks on a background with the CIELCh color 80, 73.202, 80.162.



This preview shows how white text looks on a background with the CIELCh color 80, 73.202, 80.162.

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, 73.202, 80.162

Protanopia

80, 70.408, 95.188

Deuteranopia

80, 73.186, 82.015



Tritanopia
80, 30.068, 11.014

Trichromacy



Original Color
80, 73.202, 80.162

Protanomaly
80, 70.813, 89.718

Deuteranomaly
80, 73.241, 81.275

Tritanomaly
80, 38.583, 55.814

Monochromacy



Original Color
80, 73.202, 80.162

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 28.428, 87.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 73.202, 80.162 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(253, 187, 52)` looks like.

```
.text, #text, p{  
    color:rgb(253, 187, 52)  
}
```

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(253, 187, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 187, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 73.202, 80.162 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(253, 187, 52) }
```

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

```
.border{ border-color:rgb(253, 187, 52) }
```

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

Here you see how a box with a 4 pixel rgb(253, 187, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 187, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 187, 52);  
box-shadow:4px 4px 4px 4px rgb(253, 187,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 73.202, 80.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 187, 52) }
```

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

```
.background{ background-color: rgb(253,  
187, 52) }
```

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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