

Converting Colors

CIELCh(78, 74.172, 76.856)

Have a look what the booklet for
CIELCh(78, 74.172, 76.856) contains.

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Color

CIELCh(78, 74.206, 77.153)

Conversions

Conversions Part 1

Format	Color
Hex	FDB32E
RGB	253, 179, 46
RGB Percent	99%, 70%, 18%
CMY	0.0086, 0.2987, 0.8204
CMYK	0.00, 0.29, 0.82, 0.01
HSL	39°, 98%, 59%
HSV	39°, 82%, 99%
XYZ	57.0102, 53.2120, 9.8298
YIQ	185.9640, 86.7970, -25.6750

Conversions

Conversions Part 2

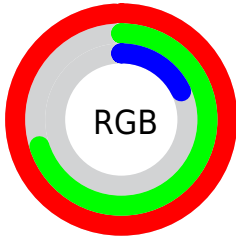
Format	Color
RYB	161, 253, 46
Decimal	16626478
CIELab	78.00, 16.50, 72.35
CIElCh	78, 74.206, 77.153
Yxy	53.2120, 0.4749, 0.4432
Android (android.graphics.Color)	4294816558 (0xFFFD32E)
YUV	185.9640, -69.0023, 58.7906
Hunter-Lab	72.9466, 11.8473, 43.0730

Details

The CIELCh color **78, 74.206, 77.153** 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, 76.730, 289.134**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 65.063, 97.553**, and **58, 66.390, 74.910** is the 20% darker color. If you saturate the color by 10%, you get **76, 79.551, 74.920**, and if you desaturate by 10%, it is **80, 66.601, 78.992**.

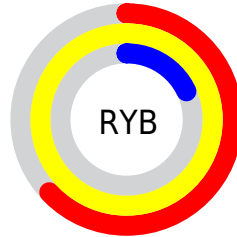
Distribution



Red (99%)

Green (70%)

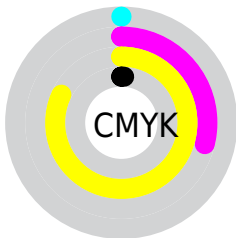
Blue (18%)



Red (63%)

Yellow (99%)

Blue (18%)

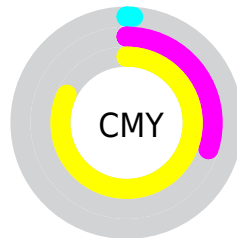


Cyan (0%)

Magenta (29%)

Yellow (82%)

Black (1%)



Cyan (1%)

Magenta (30%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 74.206, 77.153 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 78, 74.206, 77.153 by changing the saturation by 10% instead.

78, 74.206, 77.153

78, 74.206, 77.153

100, 74.206,
77.153

68, 74.206, 77.153

98, 74.206, 77.153

58, 74.206, 77.153

48, 74.206, 77.153

38, 74.206, 77.153

28, 74.206, 77.153

18, 74.206, 77.153

8, 74.206, 77.153

0, 74.206, 77.153

78, 74.206, 77.153

78, 74.206, 77.153

76, 79.551, 74.920

80, 66.601, 78.992

74, 81.977, 72.730

83, 57.725, 80.612

85, 48.283, 82.120

88, 38.685, 83.564

90, 29.145, 84.961

93, 19.768, 86.316

96, 10.599, 87.622

99, 1.650, 88.739

100, 0.765,
200.224

Harmonies

Complementary

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



78, 74.206, 77.153



53, 76.730, 289.134

Rectangle

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



78, 74.206, 77.153



78, 74.206, 127.153



78, 74.206, 257.153



78, 74.206, 307.153

Sweetspot

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



78, 74.205, 77.156



93, 22.830, 85.897



56, 78.510, 7.138



49, 15.641, 85.421



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 74.205, 77.156



75, 81.959, 73.258



94, 91.294, 110.452



52, 5.091, 87.921



57, 66.450, 73.300



19, 27.797, 76.047

Inverse Universe

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



53, 76.730, 289.134



46, 93.994, 295.259



39, 118.154, 305.662



50, 5.076, 270.464



34, 75.967, 295.298



9, 30.470, 289.950

Previews

White Background



This preview shows how the CIELCh color 78, 74.206, 77.153 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 78, 74.206, 77.153 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 78, 74.206, 77.153

Background



This preview shows how black text looks on a background with the CIELCh color 78, 74.206, 77.153.



This preview shows how white text looks on a background with the CIELCh color 78, 74.206, 77.153.

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

78, 74.206, 77.153

Protanopia

78, 70.151, 95.370

Deuteranopia

78, 73.128, 82.052



Tritanopia
78, 33.427, 12.521

Trichromacy



Original Color
78, 74.206, 77.153

Protanomaly
78, 70.666, 88.332

Deuteranomaly
78, 73.384, 79.884

Tritanomaly
78, 41.560, 52.674

Monochromacy



Original Color
78, 74.206, 77.153

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 28.134, 84.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 74.206, 77.153 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, 179, 46)` looks like.

```
.text, #text, p{  
    color:rgb(253, 179, 46)  
}
```

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, 179, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 179, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 74.206, 77.153 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, 179, 46) }
```

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

```
.border{ border-color:rgb(253, 179, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 179, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 179, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 179, 46);  
box-shadow:4px 4px 4px 4px rgb(253, 179,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 74.206, 77.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 179, 46) }
```

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

```
.background{ background-color: rgb(253,  
179, 46) }
```

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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