

Converting Colors

CIELCh(76, 79.337, 78.925)

Have a look what the booklet for
CIELCh(76, 79.337, 78.925) contains.

CIELCh(76, 79.380, 78.726)	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(76, 79.380, 78.726)

Conversions

Conversions Part 1

Format	Color
Hex	F6AE0C
RGB	246, 174, 12
RGB Percent	96%, 68%, 5%
CMY	0.0353, 0.3176, 0.9529
CMYK	0.00, 0.29, 0.95, 0.04
HSL	42°, 93%, 51%
HSV	42°, 95%, 96%
XYZ	53.2039, 49.8872, 7.1723
YIQ	177.0600, 94.9140, -35.1180

Conversions

Conversions Part 2

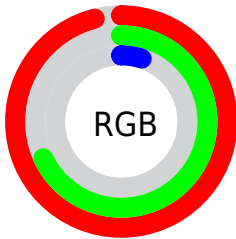
Format	Color
R _Y B	116, 246, 12
Decimal	16166412
CIE Lab	76.00, 15.52, 77.85
CIE LCh	76, 79.380, 78.726
Yxy	49.8872, 0.4825, 0.4524
Android (android.graphics.Color)	4294356492 (0xFFFF6AE0C)
YUV	177.0600, -81.3746, 60.4604
Hunter-Lab	70.6309, 10.8540, 43.4209

Details

The CIELCh color **76, 79.380, 78.726** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **43, 95.678, 296.990**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 71.265, 95.446**, and **56, 64.581, 75.311** is the 20% darker color. If you saturate the color by 10%, you get **75, 80.461, 77.545**, and if you desaturate by 10%, it is **78, 75.522, 80.901**.

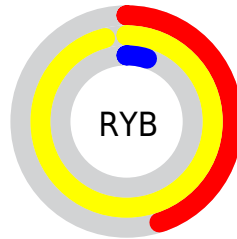
Distribution



Red (96%)

Green (68%)

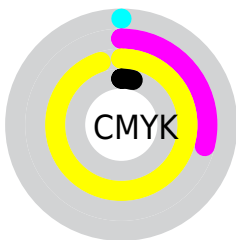
Blue (5%)



Red (45%)

Yellow (96%)

Blue (5%)

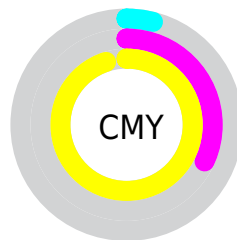


Cyan (0%)

Magenta (29%)

Yellow (95%)

Black (4%)



Cyan (4%)

Magenta (32%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 79.380, 78.726 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 76, 79.380, 78.726 by changing the saturation by 10% instead.

 76, 79.380, 78.726

 76, 79.380, 78.726

 100, 79.380,
78.726

 66, 79.380, 78.726

 96, 79.380, 78.726

 56, 79.380, 78.726

 46, 79.380, 78.726

 36, 79.380, 78.726

 26, 79.380, 78.726

 16, 79.380, 78.726

 6, 79.380, 78.726

 0, 79.380, 78.726

 76, 79.380, 78.726

 76, 79.380, 78.726

75, 80.461, 77.545

78, 75.522, 80.901

80, 69.058, 82.705

82, 60.899, 84.302

84, 51.833, 85.788

86, 42.371, 87.211

88, 32.802, 88.589

91, 23.283, 89.927

93, 13.889, 91.220

96, 4.654, 92.441

Harmonies

Complementary

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



76, 79.380, 78.726



43, 95.678, 296.990

Rectangle

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



76, 79.380, 78.726



76, 79.380, 128.726



76, 79.380, 258.726



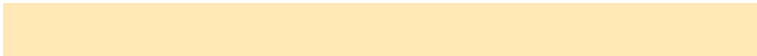
76, 79.380, 308.726

Sweetspot

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



76, 79.378, 78.729



93, 27.761, 89.405



52, 83.248, 17.997



48, 19.111, 88.832



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 79.378, 78.729



78, 82.678, 77.489



91, 95.423, 113.610



50, 5.170, 91.924



58, 65.315, 78.047



18, 26.144, 80.856

Inverse Universe

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



43, 95.678, 296.990



42, 103.855, 298.650



33, 126.296, 306.967



48, 5.182, 274.385



31, 80.383, 297.988



7, 30.500, 292.044

Previews

White Background



This preview shows how the CIELCh color 76, 79.380, 78.726 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 76, 79.380, 78.726 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 76, 79.380, 78.726

Background



This preview shows how black text looks on a background with the CIELCh color 76, 79.380, 78.726.



This preview shows how white text looks on a background with the CIELCh color 76, 79.380, 78.726.

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

76, 79.380, 78.726

Protanopia

76, 75.667, 94.893

Deuteranopia

76, 79.246, 83.152



Tritanopia
76, 36.464, 12.909

Trichromacy



Original Color
76, 79.380, 78.726

Protanomaly
76, 76.230, 88.996

Deuteranomaly
76, 79.263, 81.801

Tritanomaly
75, 47.070, 56.168

Monochromacy



Original Color
76, 79.380, 78.726

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 33.667, 87.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 79.380, 78.726 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(246, 174, 12)` looks like.

```
.text, #text, p{  
    color:rgb(246, 174, 12)  
}
```

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(246, 174, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 174, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 79.380, 78.726 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(246, 174, 12) }
```

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

```
.border{ border-color:rgb(246, 174, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 174, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 174, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 174, 12);  
box-shadow:4px 4px 4px 4px rgb(246, 174,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 79.380, 78.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 174, 12) }
```

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

```
.background{ background-color: rgb(246,  
174, 12) }
```

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