

Converting Colors

CIELCh(76, 78.337, 89.631)

Have a look what the booklet for
CIELCh(76, 78.337, 89.631) contains.

CIELCh(76, 78.065, 89.841)	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, 78.065, 89.841)

Conversions

Conversions Part 1

Format	Color
Hex	DFB800
RGB	223, 184, 0
RGB Percent	87%, 72%, 0%
CMY	0.1261, 0.2789, 1.0000
CMYK	0.00, 0.17, 1.00, 0.13
HSL	50°, 100%, 44%
HSV	50°, 100%, 87%
XYZ	47.4941, 49.8872, 7.1148
YIQ	174.6850, 82.3080, -48.9560

Conversions

Conversions Part 2

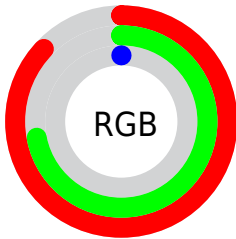
Format	Color
RYB	47, 223, 0
Decimal	14661632
CIELab	76.00, 0.22, 78.06
CIElCh	76, 78.065, 89.841
Yxy	49.8872, 0.4545, 0.4774
Android (android.graphics.Color)	4292851712 (0xFFDFB800)
YUV	174.6850, -86.1197, 42.3723
Hunter-Lab	70.6309, -3.5760, 43.4692

Details

The CIELCh color **76, 78.065, 89.841** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **31, 109.513, 303.494**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 75.535, 99.378**, and **56, 61.466, 88.873** is the 20% darker color. If you saturate the color by 10%, you get **76, 78.025, 89.841**, and if you desaturate by 10%, it is **77, 76.041, 91.175**.

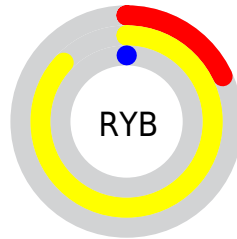
Distribution



Red (87%)

Green (72%)

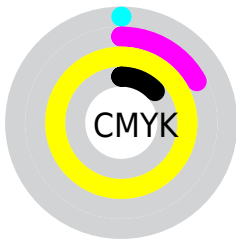
Blue (0%)



Red (18%)

Yellow (87%)

Blue (0%)

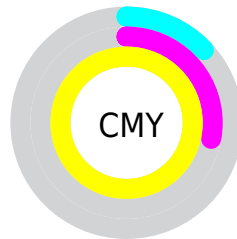


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (28%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 78.065, 89.841 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, 78.065, 89.841 by changing the saturation by 10% instead.

 76, 78.065, 89.841

 76, 78.065, 89.841

 100, 78.065,
89.841

 66, 78.065, 89.841

 96, 78.065, 89.841

 56, 78.065, 89.841

 46, 78.065, 89.841

 36, 78.065, 89.841

 26, 78.065, 89.841

 16, 78.065, 89.841

 6, 78.065, 89.841

 0, 78.065, 89.841

 76, 78.065, 89.841

 76, 78.065, 89.841

76, 78.025, 89.841

77, 76.041, 91.175

78, 71.697, 92.428

79, 65.156, 93.640

80, 57.123, 94.843

82, 48.196, 96.045

83, 38.784, 97.245

84, 29.138, 98.435

86, 19.407, 99.605

87, 9.675, 100.743

Harmonies

Complementary

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



76, 78.065, 89.841



31, 109.513, 303.494

Rectangle

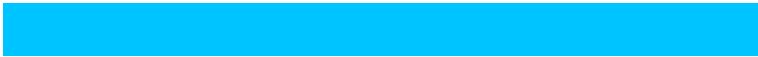
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 78.065, 89.841



76, 78.065, 139.841



76, 78.065, 269.841



76, 78.065, 319.841

Sweetspot

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



76, 78.025, 89.841



95, 32.504, 98.408



47, 85.425, 31.382



50, 22.168, 97.904



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, 78.025, 89.841



86, 86.331, 89.728



82, 92.904, 120.856



46, 5.523, 100.804



61, 65.491, 90.073



16, 23.657, 92.785

Inverse Universe

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



31, 109.513, 303.494



36, 121.951, 303.662



31, 117.116, 308.436



44, 5.597, 282.997



24, 90.661, 303.127



4, 27.832, 291.916

Previews

White Background



This preview shows how the CIELCh color 76, 78.065, 89.841 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, 78.065, 89.841 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, 78.065, 89.841

Background



This preview shows how black text looks on a background with the CIELCh color 76, 78.065, 89.841.



This preview shows how white text looks on a background with the CIELCh color 76, 78.065, 89.841.

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, 78.065, 89.841

Protanopia

76, 76.930, 94.905

Deuteranopia

76, 77.182, 82.837



Tritanopia
76, 24.697, 5.409

Trichromacy



Original Color
76, 78.065, 89.841

Protanomaly
76, 77.110, 92.843

Deuteranomaly
76, 77.503, 85.314

Tritanomaly
75, 39.489, 71.908

Monochromacy



Original Color
76, 78.065, 89.841

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 36.282, 97.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 78.065, 89.841 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(223, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 184, 0)  
}
```

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(223, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 184, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 78.065, 89.841 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(223, 184, 0) }
```

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

```
.border{ border-color:rgb(223, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 184,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 78.065, 89.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 184, 0) }
```

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

```
.background{ background-color: rgb(223,  
184, 0) }
```

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