

Converting Colors

CIELCh(70, 74.665, 80.027)

Have a look what the booklet for
CIELCh(70, 74.665, 80.027) contains.

CIELCh(70, 74.689, 80.023)	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(70, 74.689, 80.023)

Conversions

Conversions Part 1

Format	Color
Hex	DFA003
RGB	223, 160, 3
RGB Percent	87%, 63%, 1%
CMY	0.1262, 0.3732, 0.9898
CMYK	0.00, 0.28, 0.99, 0.13
HSL	43°, 98%, 44%
HSV	43°, 99%, 87%
XYZ	42.9304, 40.7494, 5.6770
YIQ	160.9390, 87.9450, -35.4710

Conversions

Conversions Part 2

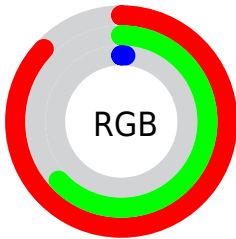
Format	Color
RYB	91, 223, 3
Decimal	14655491
CIELab	70.00, 12.94, 73.56
CIELCh	70, 74.689, 80.023
Yxy	40.7494, 0.4804, 0.4560
Android (android.graphics.Color)	4292845571 (0xFFDFA003)
YUV	160.9390, -77.8639, 54.4275
Hunter-Lab	63.8353, 8.3329, 39.4119

Details

The CIELCh color **70, 74.689, 80.023** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **36, 94.891, 299.090**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 69.413, 89.595**, and **50, 58.825, 76.529** is the 20% darker color. If you saturate the color by 10%, you get **70, 74.951, 79.772**, and if you desaturate by 10%, it is **72, 71.995, 82.161**.

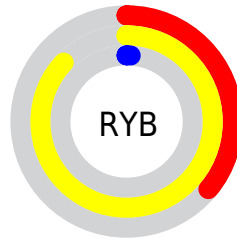
Distribution



Red (87%)

Green (63%)

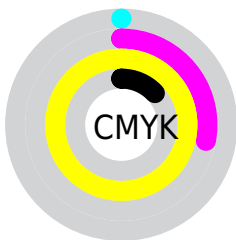
Blue (1%)



Red (36%)

Yellow (87%)

Blue (1%)

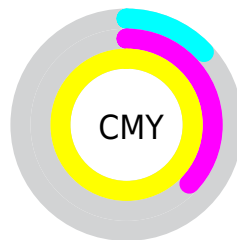


Cyan (0%)

Magenta (28%)

Yellow (99%)

Black (13%)



Cyan (13%)

Magenta (37%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 74.689, 80.023 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 70, 74.689, 80.023 by changing the saturation by 10% instead.

 70, 74.689, 80.023

 70, 74.689, 80.023

 100, 74.689,
80.023

 60, 74.689, 80.023

 90, 74.689, 80.023

 50, 74.689, 80.023

 40, 74.689, 80.023

 30, 74.689, 80.023

 20, 74.689, 80.023

 10, 74.689, 80.023

 0, 74.689, 80.023

 70, 74.689, 80.023

 70, 74.689, 80.023

 70, 74.951, 79.772

 72, 71.995, 82.161

73, 66.875, 83.965

75, 59.860, 85.552

77, 51.734, 87.022

79, 43.052, 88.428

81, 34.152, 89.790

83, 25.220, 91.115

85, 16.355, 92.400

87, 7.606, 93.634

Harmonies

Complementary

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



70, 74.689, 80.023



36, 94.891, 299.090

Rectangle

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



70, 74.689, 80.023



70, 74.689, 130.023



70, 74.689, 260.023



70, 74.689, 310.023

Sweetspot

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



70, 74.688, 80.026



93, 29.301, 90.932



47, 79.031, 21.253



49, 20.040, 90.372



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 74.688, 80.026



79, 82.961, 79.568



83, 89.599, 114.753



46, 4.920, 93.560



56, 62.889, 80.191



15, 21.511, 83.245

Inverse Universe

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



36, 94.891, 299.090



41, 107.154, 299.678



29, 118.573, 307.155



44, 4.942, 275.962



28, 79.248, 298.913



5, 25.317, 288.563

Previews

White Background



This preview shows how the CIELCh color 70, 74.689, 80.023 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 70, 74.689, 80.023 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 70, 74.689, 80.023

Background



This preview shows how black text looks on a background with the CIELCh color 70, 74.689, 80.023.



This preview shows how white text looks on a background with the CIELCh color 70, 74.689, 80.023.

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

70, 74.689, 80.023

Protanopia

70, 71.114, 95.297

Deuteranopia

70, 74.185, 83.279



Tritanopia
70, 32.625, 12.301

Trichromacy



Original Color
70, 74.689, 80.023

Protanomaly
70, 71.799, 89.699

Deuteranomaly
70, 74.322, 82.187

Tritanomaly
70, 43.613, 58.942

Monochromacy



Original Color
70, 74.689, 80.023

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 33.103, 90.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 74.689, 80.023 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, 160, 3)` looks like.

```
.text, #text, p{  
    color:rgb(223, 160, 3)  
}
```

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, 160, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 160, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 74.689, 80.023 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, 160, 3) }
```

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

```
.border{ border-color:rgb(223, 160, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 160, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 160, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 160, 3);  
box-shadow:4px 4px 4px 4px rgb(223, 160,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 74.689, 80.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 160, 3) }
```

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

```
.background{ background-color: rgb(223,  
160, 3) }
```

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