

Converting Colors

CIELCh(72, 80.018, 72.407)

Have a look what the booklet for
CIELCh(72, 80.018, 72.407) contains.

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Color

CIELCh(72, 80.090, 72.289)

Conversions

Conversions Part 1

Format	Color
Hex	F69D02
RGB	246, 157, 2
RGB Percent	96%, 62%, 1%
CMY	0.0357, 0.3846, 0.9931
CMYK	0.00, 0.36, 0.99, 0.04
HSL	38°, 99%, 49%
HSV	38°, 99%, 96%
XYZ	50.0177, 43.6590, 5.8412
YIQ	165.9410, 102.7990, -29.3370

Conversions

Conversions Part 2

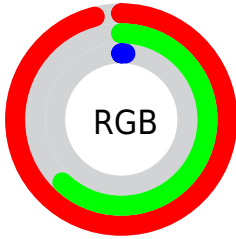
Format	Color
R _Y B	142, 246, 2
Decimal	16162050
CIE Lab	72.00, 24.36, 76.29
CIE LCh	72, 80.090, 72.289
Yxy	43.6590, 0.5026, 0.4387
Android (android.graphics.Color)	4294352130 (0xFFFF69D02)
YUV	165.9410, -80.8229, 70.2117
Hunter-Lab	66.0750, 19.4905, 41.0111

Details

The CIELCh color **72, 80.090, 72.289** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **44, 91.439, 295.206**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 68.925, 88.745**, and **52, 64.786, 67.514** is the 20% darker color. If you saturate the color by 10%, you get **72, 80.302, 72.098**, and if you desaturate by 10%, it is **74, 76.683, 74.936**.

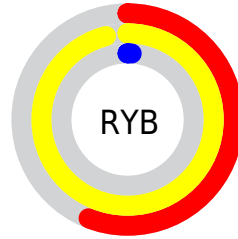
Distribution



Red (96%)

Green (62%)

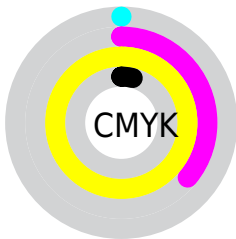
Blue (1%)



Red (56%)

Yellow (96%)

Blue (1%)

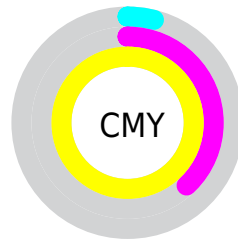


Cyan (0%)

Magenta (36%)

Yellow (99%)

Black (4%)



Cyan (4%)

Magenta (38%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 80.090, 72.289 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 72, 80.090, 72.289 by changing the saturation by 10% instead.

72, 80.090, 72.289

72, 80.090, 72.289

100, 80.090,
72.289

62, 80.090, 72.289

92, 80.090, 72.289

52, 80.090, 72.289

42, 80.090, 72.289

32, 80.090, 72.289

22, 80.090, 72.289

12, 80.090, 72.289

2, 80.090, 72.289

0, 80.090, 72.289

72, 80.090, 72.289

72, 80.090, 72.289

72, 80.302, 72.098

74, 76.683, 74.936

76, 70.681, 77.054

79, 62.773, 78.823

81, 53.869, 80.407

84, 44.567, 81.895

86, 35.201, 83.325

89, 25.941, 84.711

91, 16.867, 86.055

94, 8.011, 87.343

Harmonies

Complementary

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



72, 80.090, 72.289



44, 91.439, 295.206

Rectangle

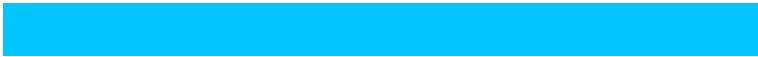
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 80.090, 72.289



72, 80.090, 122.289



72, 80.090, 252.289



72, 80.090, 302.289

Sweetspot

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



72, 80.088, 72.292



91, 27.400, 84.605



52, 83.198, 15.584



48, 18.787, 84.023



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 80.088, 72.292



74, 82.550, 72.031



92, 95.329, 111.029



50, 4.890, 87.318



56, 65.140, 72.691



17, 25.388, 75.376

Inverse Universe

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



44, 91.439, 295.206



46, 94.928, 295.532



32, 128.960, 306.678



48, 4.871, 269.858



33, 73.421, 294.786



8, 28.050, 288.733

Previews

White Background



This preview shows how the CIELCh color 72, 80.090, 72.289 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 72, 80.090, 72.289 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 72, 80.090, 72.289

Background



This preview shows how black text looks on a background with the CIELCh color 72, 80.090, 72.289.



This preview shows how white text looks on a background with the CIELCh color 72, 80.090, 72.289.

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

72, 80.090, 72.289

Protanopia

72, 72.247, 94.782

Deuteranopia

72, 75.940, 83.129



Tritanopia
72, 42.690, 15.977

Trichromacy



Original Color
72, 80.090, 72.289

Protanomaly
72, 73.661, 86.050

Deuteranomaly
72, 77.041, 79.004

Tritanomaly
72, 53.149, 51.484

Monochromacy



Original Color
72, 80.090, 72.289

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 34.185, 82.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 80.090, 72.289 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, 157, 2)` looks like.

```
.text, #text, p{  
    color:rgb(246, 157, 2)  
}
```

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, 157, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 157, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 80.090, 72.289 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, 157, 2) }
```

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

```
.border{ border-color:rgb(246, 157, 2) }
```

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

Here you see how a box with a 4 pixel rgb(246, 157, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 157, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 157, 2);  
box-shadow:4px 4px 4px 4px rgb(246, 157,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 80.090, 72.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 157, 2) }
```

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

```
.background{ background-color: rgb(246,  
157, 2) }
```

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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