

Converting Colors

CIELCh(74, 80.089, 76.689)

Have a look what the booklet for
CIELCh(74, 80.089, 76.689) contains.

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Color

CIELCh(74, 79.899, 76.800)

Conversions

Conversions Part 1

Format	Color
Hex	F4A700
RGB	244, 167, 0
RGB Percent	96%, 65%, 0%
CMY	0.0445, 0.3462, 1.0000
CMYK	0.00, 0.32, 1.00, 0.04
HSL	41°, 100%, 48%
HSV	41°, 100%, 96%
XYZ	50.9532, 46.7039, 6.3071
YIQ	170.9850, 99.4990, -35.6130

Conversions

Conversions Part 2

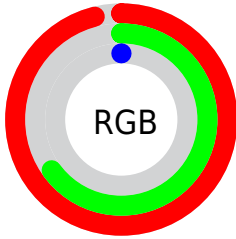
Format	Color
R _Y B	113, 244, 0
Decimal	16033536
CIE Lab	74.00, 18.25, 77.79
CIE LCh	74, 79.899, 76.800
Yxy	46.7039, 0.4901, 0.4492
Android (android.graphics.Color)	4294223616 (0xFFFF4A700)
YUV	170.9850, -84.2956, 64.0342
Hunter-Lab	68.3403, 13.4906, 42.3663

Details

The CIELCh color **74, 79.899, 76.800** 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 **41, 98.881, 298.160**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 71.137, 92.828**, and **54, 64.067, 72.402** is the 20% darker color. If you saturate the color by 10%, you get **74, 79.814, 76.784**, and if you desaturate by 10%, it is **76, 77.052, 79.184**.

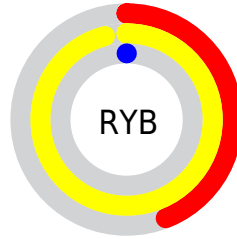
Distribution



Red (96%)

Green (65%)

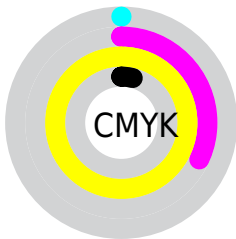
Blue (0%)



Red (44%)

Yellow (96%)

Blue (0%)

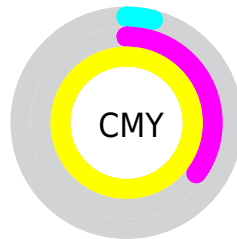


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 79.899, 76.800 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 74, 79.899, 76.800 by changing the saturation by 10% instead.

74, 79.899, 76.800

74, 79.899, 76.800

100, 79.899,
76.800

64, 79.899, 76.800

94, 79.899, 76.800

54, 79.899, 76.800

44, 79.899, 76.800

34, 79.899, 76.800

24, 79.899, 76.800

14, 79.899, 76.800

4, 79.899, 76.800

0, 79.899, 76.800

74, 79.899, 76.800

74, 79.899, 76.800

74, 79.814, 76.784

76, 77.052, 79.184

78, 71.720, 81.175

80, 64.279, 82.875

82, 55.621, 84.418

84, 46.384, 85.876

86, 36.943, 87.281

89, 27.504, 88.644

91, 18.171, 89.966

94, 8.994, 91.236

Harmonies

Complementary

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



74, 79.899, 76.800



41, 98.881, 298.160

Rectangle

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



74, 79.899, 76.800



74, 79.899, 126.800



74, 79.899, 256.800



74, 79.899, 306.800

Sweetspot

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



74, 79.814, 76.784



92, 28.539, 88.635



52, 84.525, 20.675



48, 19.536, 88.063



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 79.814, 76.784



77, 82.605, 76.710



90, 95.787, 113.960



50, 5.128, 91.299



58, 65.249, 77.284



18, 26.022, 80.096

Inverse Universe

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



41, 98.881, 298.160



43, 102.604, 298.244



32, 127.798, 307.018



48, 5.136, 273.772



31, 79.403, 297.570



7, 30.167, 291.639

Previews

White Background



This preview shows how the CIELCh color 74, 79.899, 76.800 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 74, 79.899, 76.800 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 74, 79.899, 76.800

Background



This preview shows how black text looks on a background with the CIELCh color 74, 79.899, 76.800.



This preview shows how white text looks on a background with the CIELCh color 74, 79.899, 76.800.

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

74, 79.899, 76.800

Protanopia

74, 74.462, 95.036

Deuteranopia

74, 77.685, 82.987



Tritanopia
74, 38.314, 13.666

Trichromacy



Original Color
74, 79.899, 76.800

Protanomaly
74, 75.418, 87.972

Deuteranomaly
74, 78.432, 80.677

Tritanomaly
73, 49.760, 55.782

Monochromacy



Original Color
74, 79.899, 76.800

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 34.731, 86.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 79.899, 76.800 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(244, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(244, 167, 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(244, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 167, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 79.899, 76.800 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(244, 167, 0) }
```

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

```
.border{ border-color:rgb(244, 167, 0) }
```

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

Here you see how a box with a 4 pixel rgb(244, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(244, 167,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 79.899, 76.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 167, 0) }
```

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

```
.background{ background-color: rgb(244,  
167, 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](#).

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