

Converting Colors

CIELCh(74, 78.812, 70.680)

Have a look what the booklet for
CIELCh(74, 78.812, 70.680) contains.

CIELCh(74, 78.601, 70.768)	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(74, 78.601, 70.768)

Conversions

Conversions Part 1

Format	Color
Hex	FEA11B
RGB	254, 161, 27
RGB Percent	100%, 63%, 11%
CMY	0.0034, 0.3682, 0.8934
CMYK	0.00, 0.37, 0.89, 0.00
HSL	35°, 99%, 55%
HSV	35°, 89%, 100%
XYZ	53.8851, 46.7039, 7.2218
YIQ	173.5310, 98.4420, -21.9580

Conversions

Conversions Part 2

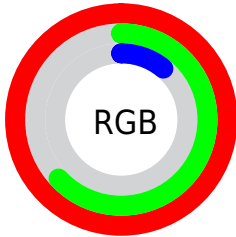
Format	Color
RYB	185, 254, 27
Decimal	16687387
CIELab	74.00, 25.89, 74.21
CIELCh	74, 78.601, 70.768
Yxy	46.7039, 0.4998, 0.4332
Android (android.graphics.Color)	4294877467 (0xFFFEA11B)
YUV	173.5310, -72.2398, 70.5713
Hunter-Lab	68.3403, 21.1485, 41.5727

Details

The CIELCh color **74, 78.601, 70.768** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **53, 77.397, 288.215**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 65.553, 89.948**, and **54, 67.031, 66.623** is the 20% darker color. If you saturate the color by 10%, you get **72, 82.611, 67.950**, and if you desaturate by 10%, it is **76, 71.962, 72.969**.

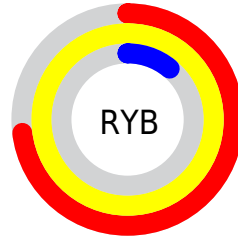
Distribution



Red (100%)

Green (63%)

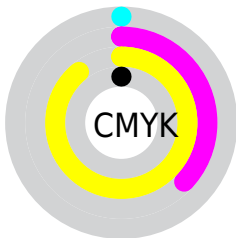
Blue (11%)



Red (73%)

Yellow (100%)

Blue (11%)

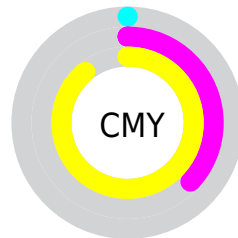


Cyan (0%)

Magenta (37%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 78.601, 70.768 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, 78.601, 70.768 by changing the saturation by 10% instead.

 74, 78.601, 70.768

 74, 78.601, 70.768

 100, 78.601,
70.768

 64, 78.601, 70.768

 94, 78.601, 70.768

 54, 78.601, 70.768

 44, 78.601, 70.768

 34, 78.601, 70.768

 24, 78.601, 70.768

 14, 78.601, 70.768

 4, 78.601, 70.768

 0, 78.601, 70.768

 74, 78.601, 70.768

 74, 78.601, 70.768

72, 82.611, 67.950

76, 71.962, 72.969

71, 82.858, 67.752

79, 63.509, 74.760

82, 54.196, 76.345

85, 44.618, 77.827

88, 35.090, 79.253

91, 25.762, 80.639

94, 16.699, 81.987

97, 7.916, 83.280

100, 0.264,
218.520

Harmonies

Complementary

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



74, 78.601, 70.768



53, 77.397, 288.215

Rectangle

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



74, 78.601, 70.768



74, 78.601, 120.768



74, 78.601, 250.768



74, 78.601, 300.768

Sweetspot

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



74, 78.599, 70.771



92, 23.713, 80.953



55, 81.988, 5.943



48, 16.066, 80.487



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, 78.599, 70.771



72, 83.074, 67.745



95, 94.623, 107.799



52, 4.851, 83.255



55, 66.818, 68.398



18, 27.307, 70.887

Inverse Universe

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



53, 77.397, 288.215



49, 87.682, 292.548



35, 126.821, 305.921



50, 4.805, 265.841



37, 69.331, 291.818



10, 27.872, 286.016

Previews

White Background



This preview shows how the CIELCh color 74, 78.601, 70.768 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, 78.601, 70.768 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, 78.601, 70.768

Background



This preview shows how black text looks on a background with the CIELCh color 74, 78.601, 70.768.



This preview shows how white text looks on a background with the CIELCh color 74, 78.601, 70.768.

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, 78.601, 70.768

Protanopia

74, 71.068, 95.353

Deuteranopia

74, 75.800, 83.033



Tritanopia
74, 40.809, 16.036

Trichromacy



Original Color
74, 78.601, 70.768

Protanomaly
74, 71.895, 85.716

Deuteranomaly
74, 76.606, 78.525

Tritanomaly
74, 49.899, 48.744

Monochromacy



Original Color
74, 78.601, 70.768

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 29.986, 78.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 78.601, 70.768 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(254, 161, 27)` looks like.

```
.text, #text, p{  
    color:rgb(254, 161, 27)  
}
```

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(254, 161, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 161, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 78.601, 70.768 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(254, 161, 27) }
```

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

```
.border{ border-color:rgb(254, 161, 27) }
```

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

Here you see how a box with a 4 pixel rgb(254, 161, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 161, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 161, 27);  
box-shadow:4px 4px 4px 4px rgb(254, 161,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 78.601, 70.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 161, 27) }
```

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

```
.background{ background-color: rgb(254,  
161, 27) }
```

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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