

Converting Colors

CIELCh(75, 78.630, 72.684)

Have a look what the booklet for
CIELCh(75, 78.630, 72.684) contains.

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Color

CIELCh(75, 78.597, 72.768)

Conversions

Conversions Part 1

Format	Color
Hex	FEA61B
RGB	254, 166, 27
RGB Percent	100%, 65%, 11%
CMY	0.0051, 0.3499, 0.8956
CMYK	0.00, 0.35, 0.90, 0.01
HSL	37°, 99%, 55%
HSV	37°, 90%, 99%
XYZ	54.5532, 48.2781, 7.4571
YIQ	176.4660, 97.0670, -24.5730

Conversions

Conversions Part 2

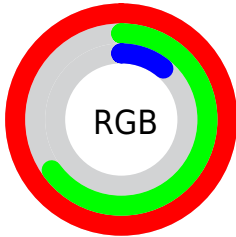
Format	Color
RYB	171, 254, 27
Decimal	16688667
CIELab	75.00, 23.28, 75.07
CIElCh	75, 78.597, 72.768
Yxy	48.2781, 0.4946, 0.4377
Android (android.graphics.Color)	4294878747 (0xFFFEA61B)
YUV	176.4660, -73.6867, 67.9973
Hunter-Lab	69.4824, 18.5525, 42.2745

Details

The CIELCh color **75, 78.597, 72.768** 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 **51, 80.603, 289.983**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 66.516, 92.082**, and **55, 66.674, 69.018** is the 20% darker color. If you saturate the color by 10%, you get **73, 82.267, 70.008**, and if you desaturate by 10%, it is **77, 72.279, 74.955**.

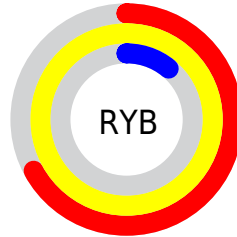
Distribution



Red (100%)

Green (65%)

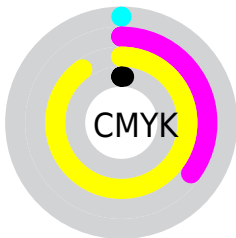
Blue (11%)



Red (67%)

Yellow (100%)

Blue (11%)

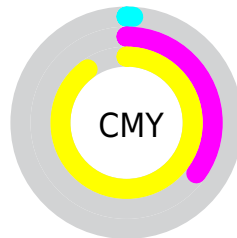


Cyan (0%)

Magenta (35%)

Yellow (90%)

Black (1%)



Cyan (1%)

Magenta (35%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 78.597, 72.768 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 75, 78.597, 72.768 by changing the saturation by 10% instead.

 75, 78.597, 72.768

 75, 78.597, 72.768

 100, 78.597,
72.768

 65, 78.597, 72.768

 95, 78.597, 72.768

 55, 78.597, 72.768

 45, 78.597, 72.768

 35, 78.597, 72.768

 25, 78.597, 72.768

 15, 78.597, 72.768

 5, 78.597, 72.768

 0, 78.597, 72.768

 75, 78.597, 72.768

 75, 78.597, 72.768

73, 82.267, 70.008

77, 72.279, 74.955

73, 82.428, 69.870

80, 64.046, 76.752

82, 54.852, 78.348

85, 45.309, 79.841

88, 35.752, 81.276

91, 26.348, 82.668

94, 17.170, 84.019

97, 8.243, 85.315

100, 0.433,
267.405

Harmonies

Complementary

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



75, 78.597, 72.768



51, 80.603, 289.983

Rectangle

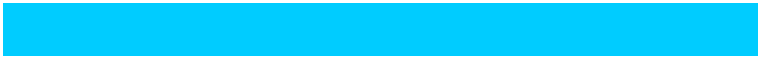
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 78.597, 72.768



75, 78.597, 122.768



75, 78.597, 252.768



75, 78.597, 302.768

Sweetspot

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



75, 78.595, 72.771



92, 24.123, 83.010



55, 81.940, 7.536



48, 16.333, 82.542



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 78.595, 72.771



73, 82.746, 69.861



95, 94.742, 108.738



52, 4.950, 85.315



56, 66.590, 70.487



18, 27.489, 73.124

Inverse Universe

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



51, 80.603, 289.983



47, 91.284, 294.090



35, 126.638, 306.058



50, 4.918, 267.887



35, 72.177, 293.389



9, 28.975, 287.781

Previews

White Background



This preview shows how the CIELCh color 75, 78.597, 72.768 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 75, 78.597, 72.768 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 75, 78.597, 72.768

Background



This preview shows how black text looks on a background with the CIELCh color 75, 78.597, 72.768.



This preview shows how white text looks on a background with the CIELCh color 75, 78.597, 72.768.

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

75, 78.597, 72.768

Protanopia

75, 72.058, 95.082

Deuteranopia

75, 76.600, 82.587



Tritanopia
75, 39.045, 15.454

Trichromacy



Original Color
75, 78.597, 72.768

Protanomaly
75, 72.933, 86.356

Deuteranomaly
75, 77.079, 79.136

Tritanomaly
75, 48.724, 50.506

Monochromacy



Original Color
75, 78.597, 72.768

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 30.422, 80.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 78.597, 72.768 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, 166, 27)` looks like.

```
.text, #text, p{  
    color:rgb(254, 166, 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, 166, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 166, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 78.597, 72.768 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, 166, 27) }
```

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

```
.border{ border-color:rgb(254, 166, 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, 166, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 166, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 166, 27);  
box-shadow:4px 4px 4px 4px rgb(254, 166,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 78.597, 72.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 166, 27) }
```

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

```
.background{ background-color: rgb(254,  
166, 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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