

Converting Colors

CIELCh(73, 77.624, 76.404)

Have a look what the booklet for
CIELCh(73, 77.624, 76.404) contains.

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Color

CIELCh(73, 77.560, 76.409)

Conversions

Conversions Part 1

Format	Color
Hex	F0A40C
RGB	240, 164, 12
RGB Percent	94%, 64%, 5%
CMY	0.0583, 0.3564, 0.9518
CMYK	0.00, 0.32, 0.95, 0.06
HSL	40°, 90%, 49%
HSV	40°, 95%, 94%
XYZ	49.3411, 45.1644, 6.4738
YIQ	169.3960, 94.0880, -31.1600

Conversions

Conversions Part 2

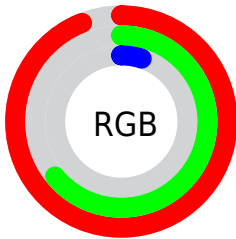
Format	Color
R _Y B	126, 240, 12
Decimal	15770636
CIE Lab	73.00, 18.23, 75.39
CIE LCh	73, 77.560, 76.409
Yxy	45.1644, 0.4886, 0.4473
Android (android.graphics.Color)	4293960716 (0xFFFF0A40C)
YUV	169.3960, -77.5962, 61.9197
Hunter-Lab	67.2044, 13.4458, 41.3317

Details

The CIELCh color **73, 77.560, 76.409** 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 **43, 89.837, 295.422**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 69.161, 91.527**, and **53, 63.026, 72.209** is the 20% darker color. If you saturate the color by 10%, you get **72, 78.843, 75.096**, and if you desaturate by 10%, it is **75, 73.432, 78.694**.

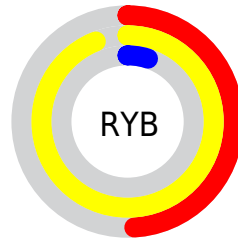
Distribution



Red (94%)

Green (64%)

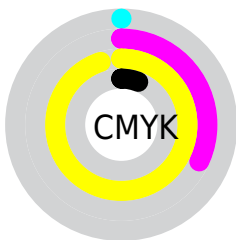
Blue (5%)



Red (49%)

Yellow (94%)

Blue (5%)

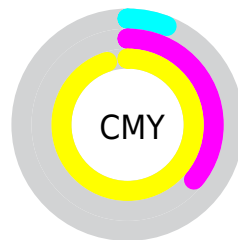


Cyan (0%)

Magenta (32%)

Yellow (95%)

Black (6%)



Cyan (6%)

Magenta (36%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 77.560, 76.409 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 73, 77.560, 76.409 by changing the saturation by 10% instead.

73, 77.560, 76.409

73, 77.560, 76.409

100, 77.560,
76.409

63, 77.560, 76.409

93, 77.560, 76.409

53, 77.560, 76.409

43, 77.560, 76.409

33, 77.560, 76.409

23, 77.560, 76.409

13, 77.560, 76.409

3, 77.560, 76.409

0, 77.560, 76.409

73, 77.560, 76.409

73, 77.560, 76.409

72, 78.843, 75.096

75, 73.432, 78.694

77, 66.832, 80.561

79, 58.687, 82.196

81, 49.763, 83.708

84, 40.534, 85.150

86, 31.263, 86.545

89, 22.086, 87.898

91, 13.068, 89.205

94, 4.234, 90.433

Harmonies

Complementary

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



73, 77.560, 76.409



43, 89.837, 295.422

Rectangle

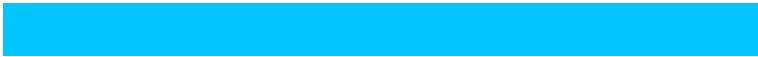
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 77.560, 76.409



73, 77.560, 126.409



73, 77.560, 256.409



73, 77.560, 306.409

Sweetspot

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



73, 77.558, 76.412



93, 26.180, 87.468



51, 80.747, 14.716



48, 18.149, 86.882



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 77.558, 76.412



76, 82.510, 74.992



90, 93.005, 111.736



49, 4.951, 89.886



56, 64.488, 75.630



16, 24.568, 78.434

Inverse Universe

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



43, 89.837, 295.422



44, 99.816, 297.305



32, 124.281, 306.686



47, 4.950, 272.382



31, 76.358, 296.568



7, 28.168, 289.943

Previews

White Background



This preview shows how the CIELCh color 73, 77.560, 76.409 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 73, 77.560, 76.409 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 73, 77.560, 76.409

Background



This preview shows how black text looks on a background with the CIELCh color 73, 77.560, 76.409.



This preview shows how white text looks on a background with the CIELCh color 73, 77.560, 76.409.

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

73, 77.560, 76.409

Protanopia

73, 72.877, 94.906

Deuteranopia

73, 76.674, 83.009



Tritanopia
73, 37.615, 14.236

Trichromacy



Original Color
73, 77.560, 76.409

Protanomaly
73, 73.593, 87.648

Deuteranomaly
73, 76.973, 80.578

Tritanomaly
73, 47.692, 53.940

Monochromacy



Original Color
73, 77.560, 76.409

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 32.274, 85.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 77.560, 76.409 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(240, 164, 12)` looks like.

```
.text, #text, p{  
    color:rgb(240, 164, 12)  
}
```

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(240, 164, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 164, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 77.560, 76.409 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(240, 164, 12) }
```

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

```
.border{ border-color:rgb(240, 164, 12) }
```

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

Here you see how a box with a 4 pixel rgb(240, 164, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 164, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 164, 12);  
box-shadow:4px 4px 4px 4px rgb(240, 164,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 77.560, 76.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 164, 12) }
```

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

```
.background{ background-color: rgb(240,  
164, 12) }
```

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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