

Converting Colors

CIELCh(74, 75.435, 76.626)

Have a look what the booklet for
CIELCh(74, 75.435, 76.626) contains.

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Color

CIELCh(74, 75.460, 76.419)

Conversions

Conversions Part 1

Format	Color
Hex	F2A71C
RGB	242, 167, 28
RGB Percent	95%, 65%, 11%
CMY	0.0502, 0.3444, 0.8891
CMYK	0.00, 0.31, 0.88, 0.05
HSL	39°, 89%, 53%
HSV	39°, 88%, 95%
XYZ	50.7557, 46.7039, 7.4557
YIQ	173.5790, 89.3190, -27.3290

Conversions

Conversions Part 2

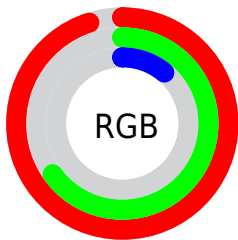
Format	Color
RYB	143, 242, 28
Decimal	15902492
CIELab	74.00, 17.72, 73.35
CIElCh	74, 75.460, 76.419
Yxy	46.7039, 0.4838, 0.4452
Android (android.graphics.Color)	4294092572 (0xFFFF2A71C)
YUV	173.5790, -71.7704, 60.0052
Hunter-Lab	68.3403, 12.9747, 41.3699

Details

The CIELCh color **74, 75.460, 76.419** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **48, 81.372, 291.951**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 66.802, 92.506**, and **54, 63.524, 73.088** is the 20% darker color. If you saturate the color by 10%, you get **72, 78.879, 73.884**, and if you desaturate by 10%, it is **76, 69.422, 78.459**.

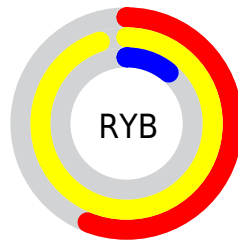
Distribution



Red (95%)

Green (65%)

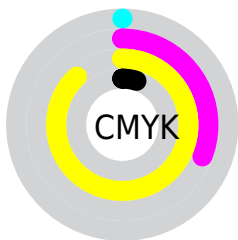
Blue (11%)



Red (56%)

Yellow (95%)

Blue (11%)

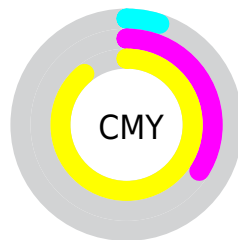


Cyan (0%)

Magenta (31%)

Yellow (88%)

Black (5%)



Cyan (5%)

Magenta (34%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 75.460, 76.419 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, 75.460, 76.419 by changing the saturation by 10% instead.

 74, 75.460, 76.419

 74, 75.460, 76.419

 100, 75.460,
76.419

 64, 75.460, 76.419

 94, 75.460, 76.419

 54, 75.460, 76.419

 44, 75.460, 76.419

 34, 75.460, 76.419

 24, 75.460, 76.419

 14, 75.460, 76.419

 4, 75.460, 76.419

 0, 75.460, 76.419

 74, 75.460, 76.419

 74, 75.460, 76.419

72, 78.879, 73.884

76, 69.422, 78.459

72, 79.346, 73.443

78, 61.560, 80.186

81, 52.739, 81.748

83, 43.526, 83.223

86, 34.238, 84.642

88, 25.041, 86.019

91, 16.012, 87.352

93, 7.182, 88.627

96, 1.442, 270.122

Harmonies

Complementary

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



74, 75.460, 76.419



48, 81.372, 291.951

Rectangle

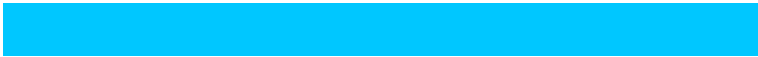
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 75.460, 76.419



74, 75.460, 126.419



74, 75.460, 256.419



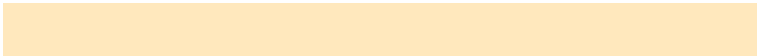
74, 75.460, 306.419

Sweetspot

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



74, 75.459, 76.422



93, 23.906, 86.323



53, 78.770, 9.888



49, 16.269, 85.853



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, 75.459, 76.422



75, 82.500, 73.351



91, 91.353, 110.546



49, 4.870, 88.486



55, 64.456, 74.020



16, 24.348, 76.753

Inverse Universe

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



48, 81.372, 291.951



45, 97.119, 296.348



34, 120.695, 306.237



47, 4.859, 271.004



32, 74.280, 295.585



7, 27.499, 288.998

Previews

White Background



This preview shows how the CIELCh color 74, 75.460, 76.419 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, 75.460, 76.419 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, 75.460, 76.419

Background



This preview shows how black text looks on a background with the CIELCh color 74, 75.460, 76.419.



This preview shows how white text looks on a background with the CIELCh color 74, 75.460, 76.419.

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, 75.460, 76.419

Protanopia

74, 71.068, 95.353

Deuteranopia

74, 74.498, 82.822



Tritanopia
74, 37.095, 14.021

Trichromacy



Original Color
74, 75.460, 76.419

Protanomaly
74, 71.654, 87.942

Deuteranomaly
74, 74.653, 80.650

Tritanomaly
74, 45.322, 51.940

Monochromacy



Original Color
74, 75.460, 76.419

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 29.968, 84.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 75.460, 76.419 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(242, 167, 28)` looks like.

```
.text, #text, p{  
    color:rgb(242, 167, 28)  
}
```

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(242, 167, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 167, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 75.460, 76.419 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(242, 167, 28) }
```

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

```
.border{ border-color:rgb(242, 167, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 167, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 167, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 167, 28);  
box-shadow:4px 4px 4px 4px rgb(242, 167,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 75.460, 76.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 167, 28) }
```

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

```
.background{ background-color: rgb(242,  
167, 28) }
```

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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