

Converting Colors

CIELCh(73, 79.369, 75.097)

Have a look what the booklet for
CIELCh(73, 79.369, 75.097) contains.

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Color

CIELCh(73, 79.235, 75.415)

Conversions

Conversions Part 1

Format	Color
Hex	F3A303
RGB	243, 163, 3
RGB Percent	95%, 64%, 1%
CMY	0.0478, 0.3614, 0.9898
CMYK	0.00, 0.33, 0.99, 0.05
HSL	40°, 98%, 48%
HSV	40°, 99%, 95%
XYZ	49.9799, 45.1644, 6.1573
YIQ	168.6800, 99.0400, -32.8000

Conversions

Conversions Part 2

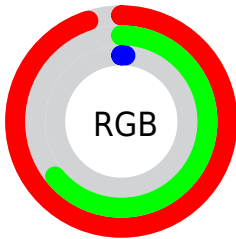
Format	Color
RYB	123, 243, 3
Decimal	15966979
CIELab	73.00, 19.95, 76.68
CIElCh	73, 79.235, 75.415
Yxy	45.1644, 0.4934, 0.4458
Android (android.graphics.Color)	4294157059 (0xFFFF3A303)
YUV	168.6800, -81.6802, 65.1786
Hunter-Lab	67.2044, 15.1427, 41.6110

Details

The CIELCh color **73, 79.235, 75.415** 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 **42, 94.939, 296.900**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 70.054, 91.219**, and **53, 63.902, 70.677** is the 20% darker color. If you saturate the color by 10%, you get **73, 79.510, 75.148**, and if you desaturate by 10%, it is **75, 76.121, 77.887**.

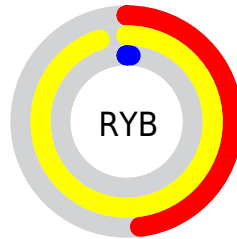
Distribution



Red (95%)

Green (64%)

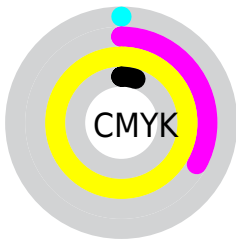
Blue (1%)



Red (48%)

Yellow (95%)

Blue (1%)

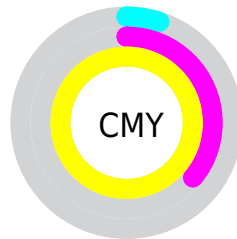


Cyan (0%)

Magenta (33%)

Yellow (99%)

Black (5%)



Cyan (5%)

Magenta (36%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 79.235, 75.415 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, 79.235, 75.415 by changing the saturation by 10% instead.

 73, 79.235, 75.415

 73, 79.235, 75.415

 100, 79.235,
75.415

 63, 79.235, 75.415

 93, 79.235, 75.415

 53, 79.235, 75.415

 43, 79.235, 75.415

 33, 79.235, 75.415

 23, 79.235, 75.415

 13, 79.235, 75.415

 3, 79.235, 75.415

 0, 79.235, 75.415

 73, 79.235, 75.415

 73, 79.235, 75.415

73, 79.510, 75.148

75, 76.121, 77.887

77, 70.384, 79.897

79, 62.699, 81.610

81, 53.944, 83.163

84, 44.714, 84.630

86, 35.352, 86.043

88, 26.039, 87.413

91, 16.864, 88.741

93, 7.867, 90.012

Harmonies

Complementary

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



73, 79.235, 75.415



42, 94.939, 296.900

Rectangle

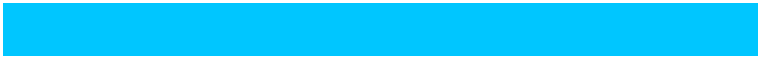
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 79.235, 75.415



73, 79.235, 125.415



73, 79.235, 255.415



73, 79.235, 305.415

Sweetspot

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



73, 79.233, 75.418



92, 28.123, 87.258



51, 83.267, 18.531



48, 19.262, 86.682



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, 79.233, 75.418



76, 82.512, 75.064



90, 94.957, 112.938



50, 5.041, 89.944



57, 65.154, 75.670



17, 25.779, 78.467

Inverse Universe

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



42, 94.939, 296.900



44, 99.933, 297.346



32, 127.156, 306.878



48, 5.040, 272.444



32, 77.316, 296.646



7, 29.446, 290.716

Previews

White Background



This preview shows how the CIELCh color 73, 79.235, 75.415 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, 79.235, 75.415 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, 79.235, 75.415

Background



This preview shows how black text looks on a background with the CIELCh color 73, 79.235, 75.415.



This preview shows how white text looks on a background with the CIELCh color 73, 79.235, 75.415.

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, 79.235, 75.415

Protanopia

73, 73.513, 94.913

Deuteranopia

73, 76.674, 83.009



Tritanopia
73, 39.666, 14.193

Trichromacy



Original Color
73, 79.235, 75.415

Protanomaly
73, 74.405, 87.731

Deuteranomaly
73, 77.436, 79.934

Tritanomaly
72, 50.066, 53.750

Monochromacy



Original Color
73, 79.235, 75.415

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 34.015, 85.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 79.235, 75.415 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(243, 163, 3)` looks like.

```
.text, #text, p{  
    color:rgb(243, 163, 3)  
}
```

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(243, 163, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 163, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 79.235, 75.415 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(243, 163, 3) }
```

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

```
.border{ border-color:rgb(243, 163, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 163, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 163, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 163, 3);  
box-shadow:4px 4px 4px 4px rgb(243, 163,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 79.235, 75.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 163, 3) }
```

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

```
.background{ background-color: rgb(243,  
163, 3) }
```

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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