

Converting Colors

CIELCh(70, 79.543, 70.313)

Have a look what the booklet for
CIELCh(70, 79.543, 70.313) contains.

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Color

CIELCh(70, 79.604, 70.349)

Conversions

Conversions Part 1

Format	Color
Hex	F39600
RGB	243, 150, 0
RGB Percent	95%, 59%, 0%
CMY	0.0481, 0.4126, 0.9982
CMYK	0.00, 0.38, 1.00, 0.05
HSL	37°, 100%, 48%
HSV	37°, 100%, 95%
XYZ	47.7428, 40.7494, 5.3620
YIQ	160.7070, 103.5780, -26.9340

Conversions

Conversions Part 2

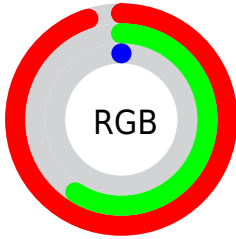
Format	Color
RYB	151, 243, 0
Decimal	15963648
CIELab	70.00, 26.77, 74.97
CIELCh	70, 79.604, 70.349
Yxy	40.7494, 0.5087, 0.4342
Android (android.graphics.Color)	4294153728 (0xFFFF39600)
YUV	160.7070, -79.2286, 72.1710
Hunter-Lab	63.8353, 21.7895, 39.7045

Details

The CIELCh color **70, 79.604, 70.349** 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 **45, 88.065, 294.153**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.910, 85.345**, and **50, 64.462, 64.939** is the 20% darker color. If you saturate the color by 10%, you get **70, 79.664, 70.300**, and if you desaturate by 10%, it is **72, 76.058, 73.078**.

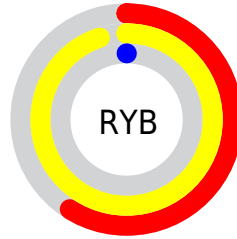
Distribution



Red (95%)

Green (59%)

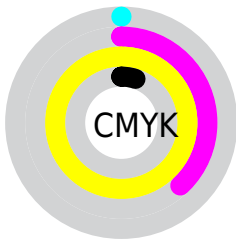
Blue (0%)



Red (59%)

Yellow (95%)

Blue (0%)

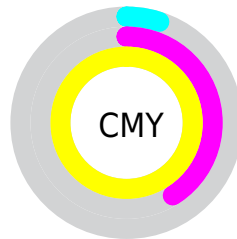


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 79.604, 70.349 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 70, 79.604, 70.349 by changing the saturation by 10% instead.

70, 79.604, 70.349

70, 79.604, 70.349

100, 79.604,
70.349

60, 79.604, 70.349

90, 79.604, 70.349

50, 79.604, 70.349

40, 79.604, 70.349

30, 79.604, 70.349

20, 79.604, 70.349

10, 79.604, 70.349

0, 79.604, 70.349

70, 79.604, 70.349

70, 79.604, 70.349

70, 79.664, 70.300

72, 76.058, 73.078

74, 70.029, 75.257

77, 62.131, 77.051

79, 53.283, 78.646

82, 44.081, 80.138

85, 34.852, 81.570

87, 25.760, 82.960

90, 16.880, 84.309

93, 8.237, 85.603

Harmonies

Complementary

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



70, 79.604, 70.349



45, 88.065, 294.153

Rectangle

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



70, 79.604, 70.349



70, 79.604, 120.349



70, 79.604, 250.349



70, 79.604, 300.349

Sweetspot

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



70, 79.602, 70.352



91, 26.992, 82.923



52, 81.814, 12.569



47, 18.520, 82.340



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 79.602, 70.352



73, 82.706, 70.204



91, 94.010, 109.057



50, 4.803, 85.643



55, 65.232, 70.893



16, 25.189, 73.455

Inverse Universe

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



45, 88.065, 294.153



47, 91.864, 294.327



31, 128.268, 306.542



48, 4.774, 268.203



34, 71.045, 293.554



8, 27.170, 287.331

Previews

White Background



This preview shows how the CIELCh color 70, 79.604, 70.349 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 70, 79.604, 70.349 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 70, 79.604, 70.349

Background



This preview shows how black text looks on a background with the CIELCh color 70, 79.604, 70.349.



This preview shows how white text looks on a background with the CIELCh color 70, 79.604, 70.349.

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

70, 79.722, 70.386

Protanopia

70, 70.490, 95.293

Deuteranopia

70, 74.185, 83.279



Tritanopia
70, 44.276, 17.245

Trichromacy



Original Color
70, 79.722, 70.386

Protanomaly
70, 71.862, 85.508

Deuteranomaly
70, 75.558, 78.331

Tritanomaly
70, 54.549, 50.439

Monochromacy



Original Color
70, 79.722, 70.386

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 33.357, 80.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 79.604, 70.349 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, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 150, 0)  
}
```

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, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 150, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 79.604, 70.349 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, 150, 0) }
```

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

```
.border{ border-color:rgb(243, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 150,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 79.604, 70.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 150, 0) }
```

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

```
.background{ background-color: rgb(243,  
150, 0) }
```

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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