

Converting Colors

CIELCh(75, 79.816, 77.990)

Have a look what the booklet for
CIELCh(75, 79.816, 77.990) contains.

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Color

CIELCh(75, 79.740, 78.303)

Conversions

Conversions Part 1

Format	Color
Hex	F4AB03
RGB	244, 171, 3
RGB Percent	96%, 67%, 1%
CMY	0.0438, 0.3300, 0.9898
CMYK	0.00, 0.30, 0.99, 0.04
HSL	42°, 98%, 48%
HSV	42°, 99%, 96%
XYZ	51.7976, 48.2781, 6.6628
YIQ	173.6750, 97.4360, -36.7720

Conversions

Conversions Part 2

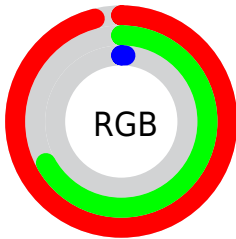
Format	Color
RYB	108, 244, 3
Decimal	16034563
CIELab	75.00, 16.17, 78.08
CIELCh	75, 79.740, 78.303
Yxy	48.2781, 0.4853, 0.4523
Android (android.graphics.Color)	4294224643 (0xFFFF4AB03)
YUV	173.6750, -84.1428, 61.6750
Hunter-Lab	69.4824, 11.4735, 42.9523

Details

The CIELCh color **75, 79.740, 78.303** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle saturated orange. A complement of this color would be **41, 99.791, 298.494**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 71.518, 94.345**, and **55, 64.041, 74.468** is the 20% darker color. If you saturate the color by 10%, you get **75, 79.981, 78.055**, and if you desaturate by 10%, it is **77, 76.914, 80.595**.

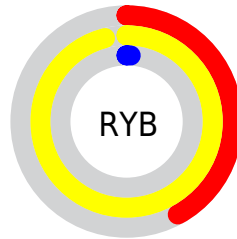
Distribution



Red (96%)

Green (67%)

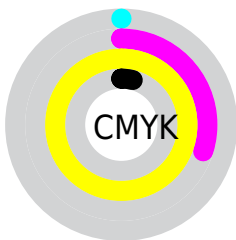
Blue (1%)



Red (42%)

Yellow (96%)

Blue (1%)

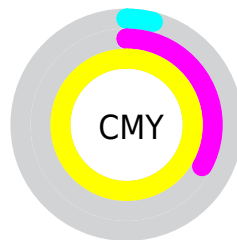


Cyan (0%)

Magenta (30%)

Yellow (99%)

Black (4%)



Cyan (4%)

Magenta (33%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 79.740, 78.303 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, 79.740, 78.303 by changing the saturation by 10% instead.

 75, 79.740, 78.303

 75, 79.740, 78.303

 100, 79.740,
78.303

 65, 79.740, 78.303

 95, 79.740, 78.303

 55, 79.740, 78.303

 45, 79.740, 78.303

 35, 79.740, 78.303

 25, 79.740, 78.303

 15, 79.740, 78.303

 5, 79.740, 78.303

 0, 79.740, 78.303

 75, 79.740, 78.303

 75, 79.740, 78.303

75, 79.981, 78.055

77, 76.914, 80.595

79, 71.416, 82.494

81, 63.870, 84.141

83, 55.142, 85.652

85, 45.845, 87.088

87, 36.342, 88.477

89, 26.830, 89.825

92, 17.412, 91.132

94, 8.138, 92.385

Harmonies

Complementary

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



75, 79.740, 78.303



41, 99.791, 298.494

Rectangle

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



75, 79.740, 78.303



75, 79.740, 128.303



75, 79.740, 258.303



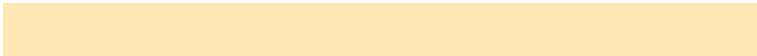
75, 79.740, 308.303

Sweetspot

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



75, 79.738, 78.306



93, 28.872, 89.673



52, 84.136, 20.096



48, 19.757, 89.106



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, 79.738, 78.306



78, 82.734, 77.986



90, 95.604, 113.884



50, 5.197, 92.318



58, 65.365, 78.534



18, 26.224, 81.338

Inverse Universe

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



41, 99.791, 298.494



42, 104.649, 298.903



32, 127.333, 306.999



48, 5.212, 274.770



30, 81.005, 298.249



7, 30.709, 292.293

Previews

White Background



This preview shows how the CIELCh color 75, 79.740, 78.303 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, 79.740, 78.303 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, 79.740, 78.303

Background



This preview shows how black text looks on a background with the CIELCh color 75, 79.740, 78.303.



This preview shows how white text looks on a background with the CIELCh color 75, 79.740, 78.303.

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, 79.740, 78.303

Protanopia

75, 75.545, 95.156

Deuteranopia

75, 78.415, 82.872



Tritanopia
75, 36.582, 12.977

Trichromacy



Original Color
75, 79.740, 78.303

Protanomaly
75, 76.185, 88.520

Deuteranomaly
75, 78.865, 80.865

Tritanomaly
74, 48.025, 56.949

Monochromacy



Original Color
75, 79.740, 78.303

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 34.961, 87.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 79.740, 78.303 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(244, 171, 3)` looks like.

```
.text, #text, p{  
    color:rgb(244, 171, 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(244, 171, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 171, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 79.740, 78.303 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(244, 171, 3) }
```

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

```
.border{ border-color:rgb(244, 171, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 171, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 171, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 171, 3);  
box-shadow:4px 4px 4px 4px rgb(244, 171,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 79.740, 78.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 171, 3) }
```

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

```
.background{ background-color: rgb(244,  
171, 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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