

Converting Colors

CIELCh(72, 71.526, 71.194)

Have a look what the booklet for
CIELCh(72, 71.526, 71.194) contains.

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Color

CIELCh(72, 71.512, 71.038)

Conversions

Conversions Part 1

Format	Color
Hex	F39E2B
RGB	243, 158, 43
RGB Percent	95%, 62%, 17%
CMY	0.0473, 0.3805, 0.8315
CMYK	0.00, 0.35, 0.82, 0.05
HSL	35°, 89%, 56%
HSV	35°, 82%, 95%
XYZ	49.5998, 43.6590, 8.0937
YIQ	170.3050, 87.5750, -17.7450

Conversions

Conversions Part 2

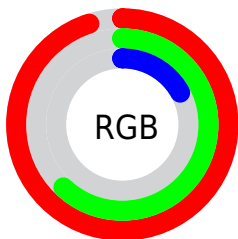
Format	Color
RYB	191, 243, 43
Decimal	15965739
CIELab	72.00, 23.24, 67.63
CIELCh	72, 71.512, 71.038
Yxy	43.6590, 0.4894, 0.4308
Android (android.graphics.Color)	4294155819 (0xFFFF39E2B)
YUV	170.3050, -62.7614, 63.7535
Hunter-Lab	66.0750, 18.3615, 38.9899

Details

The CIELCh color **72, 71.512, 71.038** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **54, 66.649, 284.026**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 60.548, 87.918**, and **52, 64.171, 68.128** is the 20% darker color. If you saturate the color by 10%, you get **70, 77.415, 68.674**, and if you desaturate by 10%, it is **75, 63.606, 72.910**.

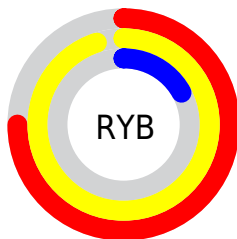
Distribution



Red (95%)

Green (62%)

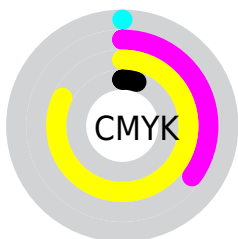
Blue (17%)



Red (75%)

Yellow (95%)

Blue (17%)

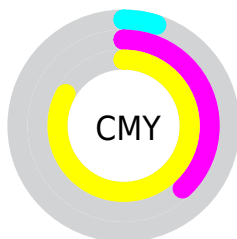


Cyan (0%)

Magenta (35%)

Yellow (82%)

Black (5%)



Cyan (5%)

Magenta (38%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 71.512, 71.038 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 72, 71.512, 71.038 by changing the saturation by 10% instead.

72, 71.512, 71.038

72, 71.512, 71.038

100, 71.512,
71.038

62, 71.512, 71.038

92, 71.512, 71.038

52, 71.512, 71.038

42, 71.512, 71.038

32, 71.512, 71.038

22, 71.512, 71.038

12, 71.512, 71.038

2, 71.512, 71.038

0, 71.512, 71.038

72, 71.512, 71.038

72, 71.512, 71.038

70, 77.415, 68.674

75, 63.606, 72.910

68, 80.343, 66.449

77, 54.706, 74.522

80, 45.472, 76.010

83, 36.259, 77.435

86, 27.240, 78.820

89, 18.489, 80.170

92, 10.027, 81.475

95, 1.848, 82.602

98, 3.426, 237.349

Harmonies

Complementary

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



72, 71.512, 71.038



54, 66.649, 284.026

Rectangle

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



72, 71.512, 71.038



72, 71.512, 121.038



72, 71.512, 251.038



72, 71.512, 301.038

Sweetspot

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



72, 71.511, 71.041



92, 21.642, 79.803



54, 76.764, 1.589



48, 14.856, 79.328



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 71.511, 71.041



71, 82.989, 66.638



92, 88.130, 106.901



50, 4.631, 81.832



53, 65.681, 67.089



16, 24.861, 69.236

Inverse Universe

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



54, 66.649, 284.026



50, 84.356, 291.053



36, 115.642, 304.973



48, 4.578, 264.412



36, 65.959, 290.614



9, 25.313, 284.002

Previews

White Background



This preview shows how the CIELCh color 72, 71.512, 71.038 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 72, 71.512, 71.038 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 72, 71.512, 71.038

Background



This preview shows how black text looks on a background with the CIELCh color 72, 71.512, 71.038.



This preview shows how white text looks on a background with the CIELCh color 72, 71.512, 71.038.

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

72, 71.512, 71.038

Protanopia

72, 64.522, 94.998

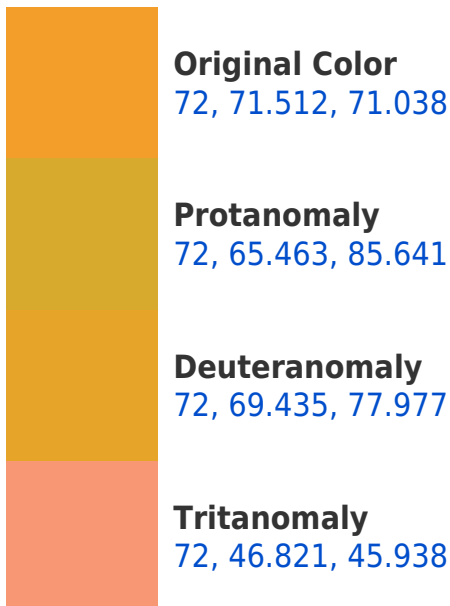
Deuteranopia

72, 69.013, 82.290



Tritanopia
72, 41.053, 15.457

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 71.512, 71.038 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, 158, 43)` looks like.

```
.text, #text, p{  
    color:rgb(243, 158, 43)  
}
```

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, 158, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 158, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 71.512, 71.038 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, 158, 43) }
```

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

```
.border{ border-color:rgb(243, 158, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 158, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 158, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 158, 43);  
box-shadow:4px 4px 4px 4px rgb(243, 158,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 71.512, 71.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 158, 43) }
```

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

```
.background{ background-color: rgb(243,  
158, 43) }
```

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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