

Converting Colors

CIELCh(72, 81.495, 69.806)

Have a look what the booklet for
CIELCh(72, 81.495, 69.806) contains.

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Color

CIELCh(72, 81.410, 69.864)

Conversions

Conversions Part 1

Format	Color
Hex	FB9A03
RGB	251, 154, 3
RGB Percent	98%, 60%, 1%
CMY	0.0154, 0.3958, 0.9876
CMYK	0.00, 0.39, 0.99, 0.02
HSL	37°, 98%, 50%
HSV	37°, 99%, 98%
XYZ	51.3909, 43.6590, 5.8088
YIQ	165.7890, 106.2830, -26.3970

Conversions

Conversions Part 2

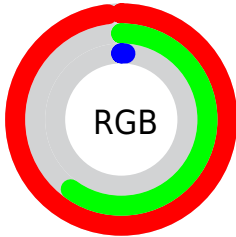
Format	Color
RYB	162, 251, 3
Decimal	16488963
CIELab	72.00, 28.03, 76.43
CIELCh	72, 81.410, 69.864
Yxy	43.6590, 0.5095, 0.4329
Android (android.graphics.Color)	4294679043 (0xFFFB9A03)
YUV	165.7890, -80.2550, 74.7300
Hunter-Lab	66.0750, 23.2000, 41.0402

Details

The CIELCh color **72, 81.410, 69.864** 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 **47, 88.281, 293.326**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 68.222, 87.443**, and **52, 66.758, 64.161** is the 20% darker color. If you saturate the color by 10%, you get **72, 81.821, 69.512**, and if you desaturate by 10%, it is **74, 77.550, 72.605**.

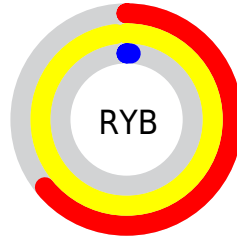
Distribution



Red (98%)

Green (60%)

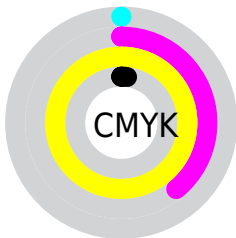
Blue (1%)



Red (64%)

Yellow (98%)

Blue (1%)

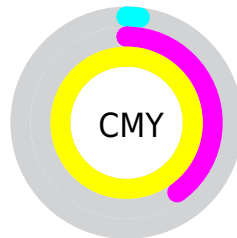


Cyan (0%)

Magenta (39%)

Yellow (99%)

Black (2%)



Cyan (2%)

Magenta (40%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 81.410, 69.864 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, 81.410, 69.864 by changing the saturation by 10% instead.

 72, 81.410, 69.864

 72, 81.410, 69.864

 100, 81.410,
69.864

 62, 81.410, 69.864

 92, 81.410, 69.864

 52, 81.410, 69.864

 42, 81.410, 69.864

 32, 81.410, 69.864

 22, 81.410, 69.864

 12, 81.410, 69.864

 2, 81.410, 69.864

 0, 81.410, 69.864

 72, 81.410, 69.864

 72, 81.410, 69.864

72, 81.821, 69.512

74, 77.550, 72.605

77, 71.048, 74.753

79, 62.747, 76.528

82, 53.570, 78.112

84, 44.095, 79.598

87, 34.635, 81.027

90, 25.342, 82.415

93, 16.283, 83.761

96, 7.479, 85.051

Harmonies

Complementary

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



72, 81.410, 69.864



47, 88.281, 293.326

Rectangle

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



72, 81.410, 69.864



72, 81.410, 119.864



72, 81.410, 249.864



72, 81.410, 299.864

Sweetspot

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



72, 81.408, 69.867



91, 26.836, 82.239



54, 83.683, 12.127



47, 18.418, 81.656



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, 81.408, 69.867



73, 82.795, 69.482



94, 96.247, 109.027



51, 4.851, 84.957



55, 65.957, 70.147



17, 26.298, 72.711

Inverse Universe

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



47, 88.281, 293.326



47, 90.643, 293.825



32, 131.108, 306.492



49, 4.817, 267.528



35, 70.886, 293.080



9, 27.803, 287.126

Previews

White Background



This preview shows how the CIELCh color 72, 81.410, 69.864 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, 81.410, 69.864 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, 81.410, 69.864

Background



This preview shows how black text looks on a background with the CIELCh color 72, 81.410, 69.864.



This preview shows how white text looks on a background with the CIELCh color 72, 81.410, 69.864.

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, 81.410, 69.864

Protanopia

72, 72.081, 94.780

Deuteranopia

72, 75.940, 83.129



Tritanopia
72, 44.824, 17.299

Trichromacy



Original Color
72, 81.410, 69.864

Protanomaly
72, 73.705, 84.945

Deuteranomaly
72, 77.415, 78.007

Tritanomaly
72, 55.643, 50.289

Monochromacy



Original Color
72, 81.410, 69.864

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 33.855, 80.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 81.410, 69.864 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(251, 154, 3)` looks like.

```
.text, #text, p{  
    color:rgb(251, 154, 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(251, 154, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 154, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 81.410, 69.864 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(251, 154, 3) }
```

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

```
.border{ border-color:rgb(251, 154, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 154, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 154, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 154, 3);  
box-shadow:4px 4px 4px 4px rgb(251, 154,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 81.410, 69.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 154, 3) }
```

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

```
.background{ background-color: rgb(251,  
154, 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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