

Converting Colors

CIELCh(72, 66.988, 63.933)

Have a look what the booklet for
CIELCh(72, 66.988, 63.933) contains.

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Color

CIELCh(72, 66.988, 63.933)

Conversions

Conversions Part 1

Format	Color
Hex	FA993F
RGB	250, 153, 63
RGB Percent	98%, 60%, 25%
CMY	0.0180, 0.3986, 0.7516
CMYK	0.00, 0.39, 0.75, 0.02
HSL	29°, 95%, 62%
HSV	29°, 75%, 98%
XYZ	51.9266, 43.6590, 10.4435
YIQ	171.7430, 86.7020, -7.4260

Conversions

Conversions Part 2

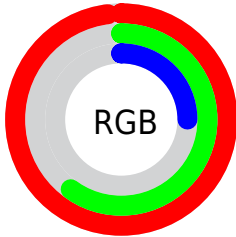
Format	Color
R _Y B	250, 237, 63
Decimal	16423231
CIE Lab	72.00, 29.44, 60.17
CIE LCh	72, 66.988, 63.933
Yxy	43.6590, 0.4897, 0.4118
Android (android.graphics.Color)	4294613311 (0xFFFA993F)
YUV	171.7430, -53.6103, 68.6314
Hunter-Lab	66.0750, 24.6473, 36.8814

Details

The CIELCh color **72, 66.988, 63.933** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **64, 52.880, 271.589**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 51.746, 83.359**, and **52, 66.873, 63.697** is the 20% darker color. If you saturate the color by 10%, you get **69, 75.767, 62.209**, and if you desaturate by 10%, it is **75, 57.320, 65.345**.

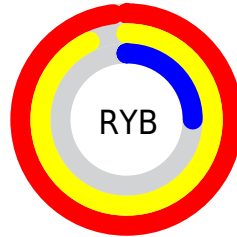
Distribution



Red (98%)

Green (60%)

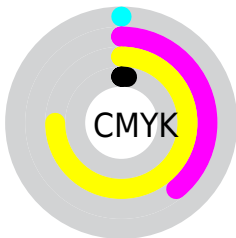
Blue (25%)



Red (98%)

Yellow (93%)

Blue (25%)

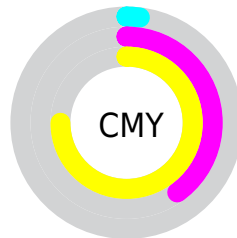


Cyan (0%)

Magenta (39%)

Yellow (75%)

Black (2%)



Cyan (2%)

Magenta (40%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 66.988, 63.933 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, 66.988, 63.933 by changing the saturation by 10% instead.

 72, 66.988, 63.933

 72, 66.988, 63.933

 100, 66.988,
63.933

 62, 66.988, 63.933

 92, 66.988, 63.933

 52, 66.988, 63.933

 42, 66.988, 63.933

 32, 66.988, 63.933

 22, 66.988, 63.933

 12, 66.988, 63.933

 2, 66.988, 63.933

 0, 66.988, 63.933

 72, 66.988, 63.933

 72, 66.988, 63.933

69, 75.767, 62.209

75, 57.320, 65.345

66, 82.469, 59.813

78, 47.506, 66.628

65, 85.135, 58.297

82, 37.911, 67.870

85, 28.693, 69.101

89, 19.905, 70.327

93, 11.549, 71.537

97, 3.599, 72.663

100, 1.594,
199.720

Harmonies

Complementary

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



72, 66.988, 63.933



64, 52.880, 271.589

Rectangle

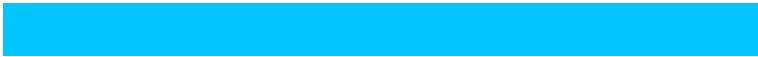
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 66.988, 63.933



72, 66.988, 113.933



72, 66.988, 243.933



72, 66.988, 293.933

Sweetspot

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



72, 66.987, 63.936



92, 17.867, 70.653



59, 77.239, 351.609



48, 12.089, 70.323



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, 66.987, 63.936



69, 80.824, 61.030



94, 83.050, 101.842



50, 4.399, 72.149



50, 68.549, 59.007



15, 25.851, 59.748

Inverse Universe

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



64, 52.880, 271.589



59, 63.929, 278.450



42, 105.678, 302.058



50, 4.289, 254.639



42, 55.525, 282.230



12, 22.192, 275.171

Previews

White Background



This preview shows how the CIELCh color 72, 66.988, 63.933 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, 66.988, 63.933 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, 66.988, 63.933

Background



This preview shows how black text looks on a background with the CIELCh color 72, 66.988, 63.933.



This preview shows how white text looks on a background with the CIELCh color 72, 66.988, 63.933.

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





Tritanopia
72, 44.775, 16.618

Trichromacy



Original Color
72, 66.988, 63.933

Protanomaly
72, 56.970, 82.471

Deuteranomaly
72, 62.695, 74.640

Tritanomaly
72, 48.308, 39.213

Monochromacy



Original Color
72, 66.988, 63.933

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 23.670, 68.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 66.988, 63.933 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(250, 153, 63)` looks like.

```
.text, #text, p{  
    color:rgb(250, 153, 63)  
}
```

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(250, 153, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 153, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 66.988, 63.933 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(250, 153, 63) }
```

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

```
.border{ border-color:rgb(250, 153, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 153, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 153, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 153, 63);  
box-shadow:4px 4px 4px 4px rgb(250, 153,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 66.988, 63.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 153, 63) }
```

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

```
.background{ background-color: rgb(250,  
153, 63) }
```

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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