

Converting Colors

CIELCh(72, 72.826, 63.466)

Have a look what the booklet for
CIELCh(72, 72.826, 63.466) contains.

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Color

CIELCh(72, 72.458, 63.708)

Conversions

Conversions Part 1

Format	Color
Hex	FF9734
RGB	255, 151, 52
RGB Percent	100%, 59%, 20%
CMY	0.0000, 0.4077, 0.7959
CMYK	0.00, 0.41, 0.80, 0.00
HSL	29°, 100%, 60%
HSV	29°, 80%, 100%
XYZ	52.9466, 43.6590, 8.8891
YIQ	170.8100, 93.7630, -8.7410

Conversions

Conversions Part 2

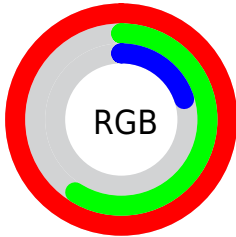
Format	Color
R_{YB}	255, 245, 52
Decimal	16750388
CIE _{Lab}	72.00, 32.09, 64.96
CIE _{LCh}	72, 72.458, 63.708
Yxy	43.6590, 0.5019, 0.4139
Android (android.graphics.Color)	4294940468 (0xFFFF9734)
YUV	170.8100, -58.5733, 73.8346
Hunter-Lab	66.0750, 27.4028, 38.2761

Details

The CIELCh color **72, 72.458, 63.708** 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 **63, 57.573, 274.450**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 55.786, 83.550**, and **52, 68.470, 61.785** is the 20% darker color. If you saturate the color by 10%, you get **69, 80.384, 61.683**, and if you desaturate by 10%, it is **75, 63.025, 65.284**.

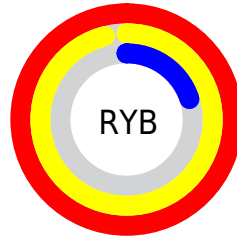
Distribution



Red (100%)

Green (59%)

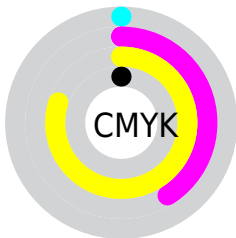
Blue (20%)



Red (100%)

Yellow (96%)

Blue (20%)

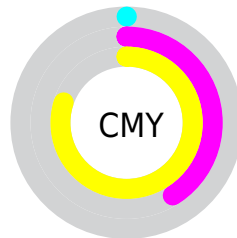


Cyan (0%)

Magenta (41%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (41%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 72.458, 63.708 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, 72.458, 63.708 by changing the saturation by 10% instead.

 72, 72.458, 63.708

 72, 72.458, 63.708

 100, 72.458,
63.708

 62, 72.458, 63.708

 92, 72.458, 63.708

 52, 72.458, 63.708

 42, 72.458, 63.708

 32, 72.458, 63.708

 22, 72.458, 63.708

 12, 72.458, 63.708

 2, 72.458, 63.708

 0, 72.458, 63.708

 72, 72.458, 63.708

 72, 72.458, 63.708

69, 80.384, 61.683

75, 63.025, 65.284

66, 85.860, 58.899

78, 53.119, 66.642

66, 86.069, 58.788

82, 43.266, 67.922

85, 33.718, 69.177

89, 24.578, 70.424

93, 15.869, 71.659

96, 7.579, 72.862

100, 0.012,
296.813

Harmonies

Complementary

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



72, 72.458, 63.708



63, 57.573, 274.450

Rectangle

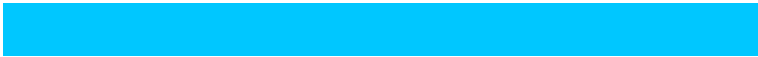
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 72.458, 63.708



72, 72.458, 113.708



72, 72.458, 243.708



72, 72.458, 293.708

Sweetspot

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



72, 72.444, 63.720



91, 19.654, 71.117



58, 80.365, 354.111



47, 13.623, 70.676



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, 72.444, 63.720



67, 84.092, 59.943



96, 88.631, 102.463



51, 4.491, 72.872



51, 69.050, 59.499



16, 27.024, 60.611

Inverse Universe

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



63, 57.573, 274.450



57, 68.968, 281.990



39, 115.790, 303.569



51, 4.383, 255.382



42, 56.892, 282.963



12, 23.215, 276.313

Previews

White Background



This preview shows how the CIELCh color 72, 72.458, 63.708 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, 72.458, 63.708 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, 72.458, 63.708

Background



This preview shows how black text looks on a background with the CIELCh color 72, 72.458, 63.708.



This preview shows how white text looks on a background with the CIELCh color 72, 72.458, 63.708.

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, 72.458, 63.708

Protanopia

72, 60.424, 95.270

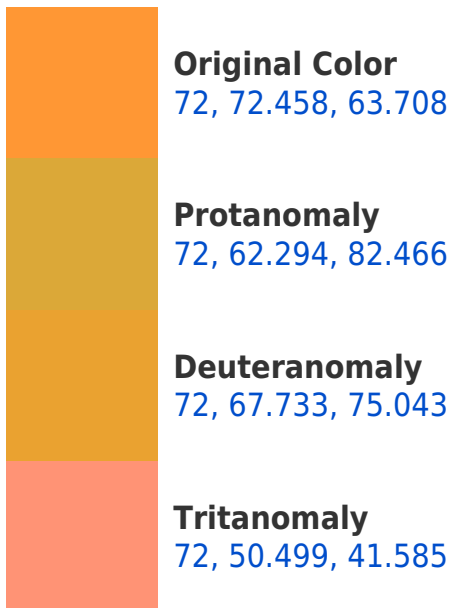
Deuteranopia

72, 66.375, 82.141



Tritanopia
72, 44.824, 17.299

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 72.458, 63.708 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(255, 151, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 52)  
}
```

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(255, 151, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 72.458, 63.708 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(255, 151, 52) }
```

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

```
.border{ border-color:rgb(255, 151, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 151, 52); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 151, 52); box-shadow:4px 4px 4px 4px rgb(255, 151, 52) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 72.458, 63.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 52) }
```

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

```
.background{ background-color: rgb(255,  
151, 52) }
```

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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