

Converting Colors

CIELCh(75, 70.616, 68.227)

Have a look what the booklet for
CIELCh(75, 70.616, 68.227) contains.

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Color

CIELCh(75, 70.185, 68.645)

Conversions

Conversions Part 1

Format	Color
Hex	FFA43A
RGB	255, 164, 58
RGB Percent	100%, 64%, 23%
CMY	0.0000, 0.3558, 0.7714
CMYK	0.00, 0.36, 0.77, 0.00
HSL	32°, 100%, 61%
HSV	32°, 77%, 100%
XYZ	55.4537, 48.2781, 10.4367
YIQ	179.1250, 88.2620, -13.6740

Conversions

Conversions Part 2

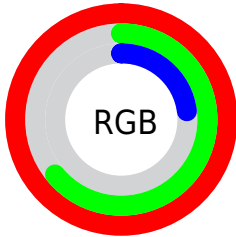
Format	Color
R _Y B	227, 255, 58
Decimal	16753722
CIE Lab	75.00, 25.56, 65.37
CIE LCh	75, 70.185, 68.645
Yxy	48.2781, 0.4857, 0.4229
Android (android.graphics.Color)	4294943802 (0xFFFFFA43A)
YUV	179.1250, -59.7146, 66.5424
Hunter-Lab	69.4824, 20.8659, 39.7319

Details

The CIELCh color **75, 70.185, 68.645** 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 **61, 60.945, 278.703**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 56.438, 89.948**, and **55, 67.410, 67.471** is the 20% darker color. If you saturate the color by 10%, you get **72, 77.851, 66.687**, and if you desaturate by 10%, it is **78, 60.941, 70.396**.

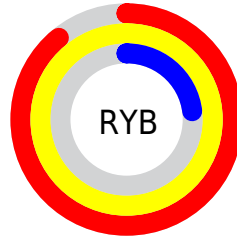
Distribution



Red (100%)

Green (64%)

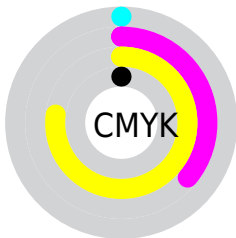
Blue (23%)



Red (89%)

Yellow (100%)

Blue (23%)

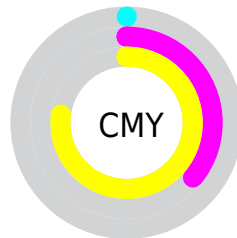


Cyan (0%)

Magenta (36%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 70.185, 68.645 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, 70.185, 68.645 by changing the saturation by 10% instead.

 75, 70.185, 68.645

 75, 70.185, 68.645

 100, 70.185,
68.645

 65, 70.185, 68.645

 95, 70.185, 68.645

 55, 70.185, 68.645

 45, 70.185, 68.645

 35, 70.185, 68.645

 25, 70.185, 68.645

 15, 70.185, 68.645

 5, 70.185, 68.645

 0, 70.185, 68.645

 75, 70.185, 68.645

 75, 70.185, 68.645

72, 77.851, 66.687

78, 60.941, 70.396

70, 83.082, 63.937

81, 51.286, 71.880

69, 84.291, 63.093

84, 41.613, 73.282

87, 32.160, 74.646

91, 23.028, 75.982

94, 14.247, 77.289

97, 5.814, 78.536

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.



75, 70.185, 68.645



61, 60.945, 278.703

Rectangle

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



75, 70.185, 68.645



75, 70.185, 118.645



75, 70.185, 248.645



75, 70.185, 298.645

Sweetspot

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



75, 70.089, 68.734



92, 19.348, 76.528



59, 77.795, 357.251



48, 13.491, 76.052



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, 70.089, 68.734



71, 81.277, 65.180



97, 88.174, 105.256



51, 4.651, 78.252



53, 67.709, 63.788



17, 27.052, 65.727

Inverse Universe

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



61, 60.945, 278.703



55, 73.737, 285.526



40, 113.887, 303.839



50, 4.574, 260.833



39, 62.954, 287.760



11, 25.453, 281.522

Previews

White Background



This preview shows how the CIELCh color 75, 70.185, 68.645 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, 70.185, 68.645 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, 70.185, 68.645

Background



This preview shows how black text looks on a background with the CIELCh color 75, 70.185, 68.645.



This preview shows how white text looks on a background with the CIELCh color 75, 70.185, 68.645.

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, 70.185, 68.645

Protanopia

75, 61.694, 95.192

Deuteranopia

75, 66.827, 81.890



Tritanopia
75, 39.045, 15.454

Trichromacy



Original Color
75, 70.185, 68.645

Protanomaly
75, 62.601, 84.672

Deuteranomaly
75, 67.334, 77.111

Tritanomaly
75, 45.180, 45.057

Monochromacy



Original Color
75, 70.185, 68.645

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 25.326, 75.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 70.185, 68.645 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, 164, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 58)  
}
```

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, 164, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 70.185, 68.645 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, 164, 58) }
```

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

```
.border{ border-color:rgb(255, 164, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 70.185, 68.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 58) }
```

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

```
.background{ background-color: rgb(255,  
164, 58) }
```

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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