

Converting Colors

CIELCh(75, 68.435, 67.899)

Have a look what the booklet for
CIELCh(75, 68.435, 67.899) contains.

CIELCh(75, 68.435, 67.899)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(75, 68.435, 67.899)

Conversions

Conversions Part 1

Format	Color
Hex	FFA43F
RGB	255, 164, 63
RGB Percent	100%, 64%, 25%
CMY	0.0000, 0.3561, 0.7522
CMYK	0.00, 0.36, 0.75, 0.00
HSL	32°, 100%, 62%
HSV	32°, 75%, 100%
XYZ	55.5296, 48.2781, 11.1216
YIQ	179.6950, 86.6570, -12.1190

Conversions

Conversions Part 2

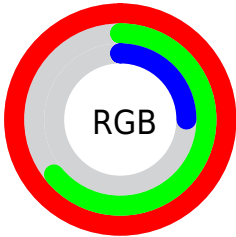
Format	Color
R _Y B	236, 255, 63
Decimal	16753727
CIE Lab	75.00, 25.75, 63.41
CIE LCh	75, 68.435, 67.899
Yxy	48.2781, 0.4832, 0.4201
Android (android.graphics.Color)	4294943807 (0xFFFFA43F)
YUV	179.6950, -57.5306, 66.0425
Hunter-Lab	69.4824, 21.0608, 39.1476

Details

The CIELCh color **75, 68.435, 67.899** 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, 58.226, 276.712**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 54.168, 89.542**, and **55, 67.410, 67.471** is the 20% darker color. If you saturate the color by 10%, you get **72, 76.633, 66.038**, and if you desaturate by 10%, it is **78, 58.971, 69.545**.

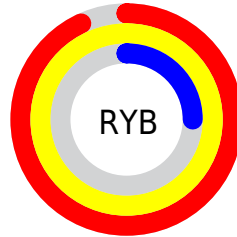
Distribution



Red (100%)

Green (64%)

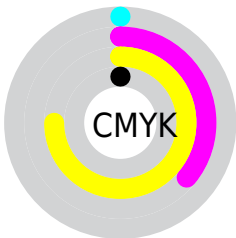
Blue (25%)



Red (93%)

Yellow (100%)

Blue (25%)

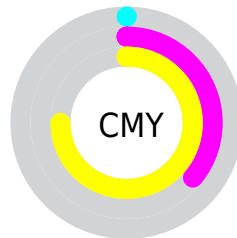


Cyan (0%)

Magenta (36%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 68.435, 67.899 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, 68.435, 67.899 by changing the saturation by 10% instead.

 75, 68.435, 67.899

 75, 68.435, 67.899

 100, 68.435,
67.899

 65, 68.435, 67.899

 95, 68.435, 67.899

 55, 68.435, 67.899

 45, 68.435, 67.899

 35, 68.435, 67.899

 25, 68.435, 67.899

 15, 68.435, 67.899

 5, 68.435, 67.899

 0, 68.435, 67.899

 75, 68.435, 67.899

 75, 68.435, 67.899

72, 76.633, 66.038

78, 58.971, 69.545

70, 82.591, 63.459

81, 49.231, 70.979

68, 84.670, 62.026

84, 39.570, 72.348

88, 30.185, 73.685

91, 21.153, 75.000

95, 12.493, 76.286

98, 4.191, 77.492

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, 68.435, 67.899



63, 58.226, 276.712

Rectangle

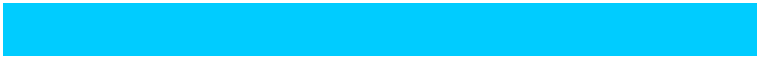
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 68.435, 67.899



75, 68.435, 117.899



75, 68.435, 247.899



75, 68.435, 297.899

Sweetspot

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



75, 68.370, 67.960



92, 19.198, 75.288



59, 77.128, 355.422



48, 13.392, 74.818



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, 68.370, 67.960



71, 79.843, 64.911



97, 86.778, 104.459



51, 4.609, 76.996



52, 67.992, 62.728



17, 27.025, 64.493

Inverse Universe

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



63, 58.226, 276.712



57, 69.661, 283.066



41, 111.327, 303.294



50, 4.525, 259.566



40, 61.468, 286.683



11, 24.899, 280.344

Previews

White Background



This preview shows how the CIELCh color 75, 68.435, 67.899 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, 68.435, 67.899 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, 68.435, 67.899

Background



This preview shows how black text looks on a background with the CIELCh color 75, 68.435, 67.899.



This preview shows how white text looks on a background with the CIELCh color 75, 68.435, 67.899.

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, 68.435, 67.899

Protanopia

75, 59.601, 95.522

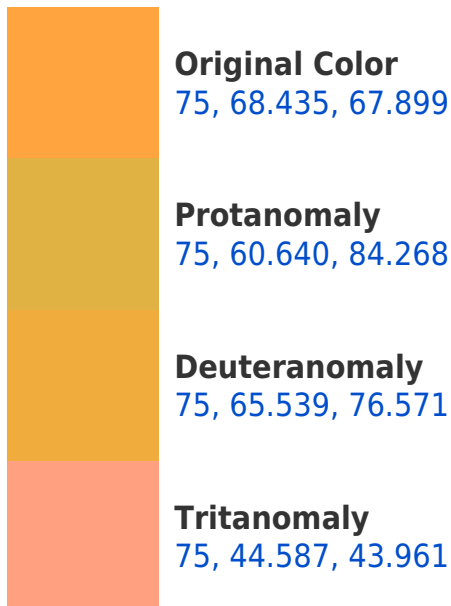
Deuteranopia

75, 65.042, 81.487



Tritanopia
75, 39.045, 15.454

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 68.435, 67.899 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 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(255, 164, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 68.435, 67.899 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, 63) }
```

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

```
.border{ border-color:rgb(255, 164, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 68.435, 67.899 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, 63) }
```

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

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