

Converting Colors

CIELCh(69, 75.294, 59.930)

Have a look what the booklet for
CIELCh(69, 75.294, 59.930) contains.

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Color

CIELCh(69, 75.234, 59.922)

Conversions

Conversions Part 1

Format	Color
Hex	FD8A2C
RGB	253, 138, 44
RGB Percent	99%, 54%, 17%
CMY	0.0069, 0.4580, 0.8266
CMYK	0.00, 0.45, 0.83, 0.01
HSL	27°, 98%, 58%
HSV	27°, 83%, 99%
XYZ	50.1703, 39.3444, 7.3539
YIQ	161.6690, 98.7140, -4.8540

Conversions

Conversions Part 2

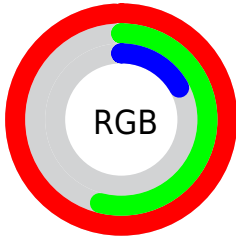
Format	Color
R _{YB}	253, 215, 44
Decimal	16615980
CIE Lab	69.00, 37.71, 65.10
CIE LCh	69, 75.234, 59.922
Yxy	39.3444, 0.5179, 0.4062
Android (android.graphics.Color)	4294806060 (0xFFFD8A2C)
YUV	161.6690, -58.0108, 80.0973
Hunter-Lab	62.7251, 33.0032, 36.9564

Details

The CIELCh color **69, 75.234, 59.922** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **64, 55.408, 271.292**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 56.839, 77.345**, and **49, 69.840, 56.779** is the 20% darker color. If you saturate the color by 10%, you get **66, 83.000, 57.864**, and if you desaturate by 10%, it is **72, 65.735, 61.396**.

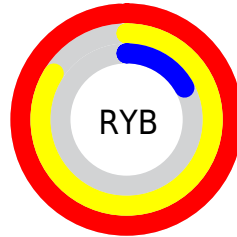
Distribution



Red (99%)

Green (54%)

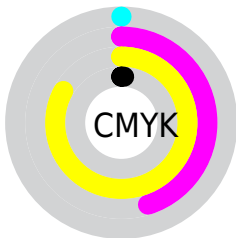
Blue (17%)



Red (99%)

Yellow (84%)

Blue (17%)

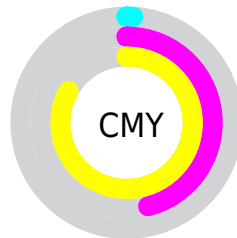


Cyan (0%)

Magenta (45%)

Yellow (83%)

Black (1%)



Cyan (1%)

Magenta (46%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 75.234, 59.922 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 69, 75.234, 59.922 by changing the saturation by 10% instead.

69, 75.234, 59.922

69, 75.234, 59.922

100, 75.234,
59.922

59, 75.234, 59.922

89, 75.234, 59.922

49, 75.234, 59.922

99, 75.234, 59.922

39, 75.234, 59.922

29, 75.234, 59.922

19, 75.234, 59.922

9, 75.234, 59.922

0, 75.234, 59.922

69, 75.234, 59.922

69, 75.234, 59.922

66, 83.000, 57.864

72, 65.735, 61.396

64, 87.226, 55.847

75, 55.654, 62.615

79, 45.624, 63.752

83, 35.940, 64.877

86, 26.718, 66.010

90, 17.985, 67.153

94, 9.728, 68.286

98, 1.912, 69.234

100, 0.612,
200.448

Harmonies

Complementary

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



69, 75.234, 59.922



64, 55.408, 271.292

Rectangle

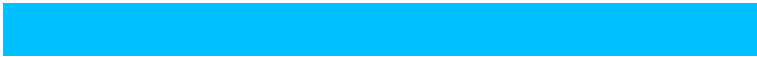
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 75.234, 59.922



69, 75.234, 109.922



69, 75.234, 239.922



69, 75.234, 289.922

Sweetspot

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



69, 75.232, 59.925



90, 20.203, 66.870



57, 82.837, 351.138



47, 13.922, 66.469



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 75.232, 59.925



65, 87.129, 56.088



93, 86.683, 99.374



51, 4.398, 68.620



49, 70.294, 56.538



15, 27.143, 56.872

Inverse Universe

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



64, 55.408, 271.292



58, 65.767, 279.224



39, 113.817, 302.864



51, 4.267, 251.024



44, 52.633, 278.792



13, 21.681, 271.867

Previews

White Background



This preview shows how the CIELCh color 69, 75.234, 59.922 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 69, 75.234, 59.922 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 69, 75.234, 59.922

Background



This preview shows how black text looks on a background with the CIELCh color 69, 75.234, 59.922.



This preview shows how white text looks on a background with the CIELCh color 69, 75.234, 59.922.

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

69, 75.234, 59.922

Protanopia

69, 59.895, 95.376

Deuteranopia

69, 67.139, 82.238



Tritanopia
69, 50.801, 19.667

Trichromacy



Original Color
69, 75.234, 59.922

Protanomaly
69, 61.876, 80.510

Deuteranomaly
69, 68.759, 73.138

Tritanomaly
69, 56.229, 40.029

Monochromacy



Original Color
69, 75.234, 59.922

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 26.306, 65.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 75.234, 59.922 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(253, 138, 44)` looks like.

```
.text, #text, p{  
    color:rgb(253, 138, 44)  
}
```

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(253, 138, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 138, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 75.234, 59.922 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(253, 138, 44) }
```

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

```
.border{ border-color:rgb(253, 138, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 138, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 138, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 138, 44);  
box-shadow:4px 4px 4px 4px rgb(253, 138,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 75.234, 59.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 138, 44) }
```

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

```
.background{ background-color: rgb(253,  
138, 44) }
```

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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