

Converting Colors

CIELCh(71, 70.274, 69.608)

Have a look what the booklet for
CIELCh(71, 70.274, 69.608) contains.

CIELCh(71, 70.292, 69.545)	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(71, 70.292, 69.545)

Conversions

Conversions Part 1

Format	Color
Hex	F19A2D
RGB	241, 154, 45
RGB Percent	95%, 60%, 18%
CMY	0.0533, 0.3947, 0.8220
CMYK	0.00, 0.36, 0.81, 0.05
HSL	33°, 88%, 56%
HSV	33°, 81%, 95%
XYZ	48.5055, 42.1875, 8.1074
YIQ	167.5870, 86.8410, -15.4550

Conversions

Conversions Part 2

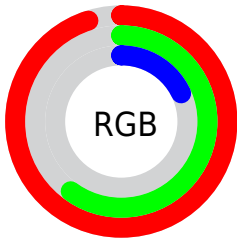
Format	Color
R _Y B	201, 241, 45
Decimal	15833645
CIE Lab	71.00, 24.57, 65.86
CIE LCh	71, 70.292, 69.545
Yxy	42.1875, 0.4909, 0.4270
Android (android.graphics.Color)	4294023725 (0xFFFF19A2D)
YUV	167.5870, -60.4354, 64.3832
Hunter-Lab	64.9519, 19.6363, 38.0657

Details

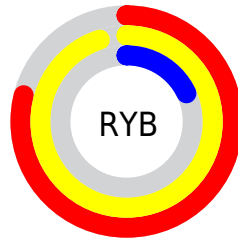
The CIELCh color **71, 70.292, 69.545** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **56, 63.231, 281.874**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 59.121, 85.816**, and **51, 63.775, 67.229** is the 20% darker color. If you saturate the color by 10%, you get **69, 76.691, 67.260**, and if you desaturate by 10%, it is **74, 62.090, 71.354**.

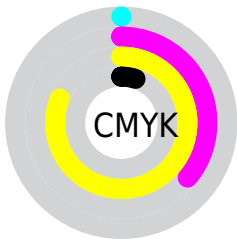
Distribution



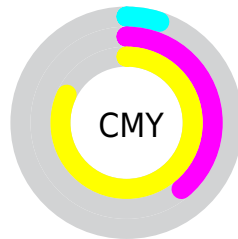
- Red (95%)
- Green (60%)
- Blue (18%)



- Red (79%)
- Yellow (95%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (81%)
- Black (5%)



- Cyan (5%)
- Magenta (39%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 70.292, 69.545 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 71, 70.292, 69.545 by changing the saturation by 10% instead.

71, 70.292, 69.545

71, 70.292, 69.545

100, 70.292,
69.545

61, 70.292, 69.545

91, 70.292, 69.545

51, 70.292, 69.545

41, 70.292, 69.545

31, 70.292, 69.545

21, 70.292, 69.545

11, 70.292, 69.545

1, 70.292, 69.545

0, 70.292, 69.545

71, 70.292, 69.545

71, 70.292, 69.545

69, 76.691, 67.260

74, 62.090, 71.354

66, 80.378, 64.726

76, 53.068, 72.919

79, 43.829, 74.373

82, 34.687, 75.771

85, 25.790, 77.134

88, 17.194, 78.466

92, 8.912, 79.755

95, 0.930, 80.669

98, 3.855, 232.899

Harmonies

Complementary

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



71, 70.292, 69.545



56, 63.231, 281.874

Rectangle

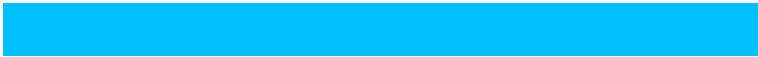
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 70.292, 69.545



71, 70.292, 119.545



71, 70.292, 249.545



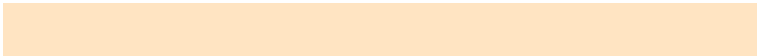
71, 70.292, 299.545

Sweetspot

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



71, 70.291, 69.548



92, 20.461, 78.088



54, 76.146, 359.806



48, 14.152, 77.612



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 70.291, 69.548



71, 82.628, 65.498



92, 86.986, 106.024



49, 4.480, 79.970



51, 65.319, 65.405



15, 23.548, 67.121

Inverse Universe

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



56, 63.231, 281.874



52, 79.614, 288.728



36, 113.904, 304.647



47, 4.417, 262.543



37, 62.915, 289.060



9, 23.587, 281.873

Previews

White Background



This preview shows how the CIELCh color 71, 70.292, 69.545 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 71, 70.292, 69.545 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 71, 70.292, 69.545

Background



This preview shows how black text looks on a background with the CIELCh color 71, 70.292, 69.545.



This preview shows how white text looks on a background with the CIELCh color 71, 70.292, 69.545.

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

71, 70.292, 69.545

Protanopia

71, 62.568, 95.678

Deuteranopia

71, 67.246, 82.154



Tritanopia
71, 41.590, 15.670

Trichromacy



Original Color
71, 70.292, 69.545

Protanomaly
71, 63.376, 85.131

Deuteranomaly
71, 67.876, 77.378

Tritanomaly
71, 46.824, 44.731

Monochromacy



Original Color
71, 70.292, 69.545

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 25.909, 76.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 70.292, 69.545 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(241, 154, 45)` looks like.

```
.text, #text, p{  
    color:rgb(241, 154, 45)  
}
```

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(241, 154, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 154, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 70.292, 69.545 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(241, 154, 45) }
```

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

```
.border{ border-color:rgb(241, 154, 45) }
```

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

Here you see how a box with a 4 pixel rgb(241, 154, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 154, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 154, 45);  
box-shadow:4px 4px 4px 4px rgb(241, 154,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 70.292, 69.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 154, 45) }
```

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

```
.background{ background-color: rgb(241,  
154, 45) }
```

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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