

Converting Colors

CIELCh(69, 72.403, 66.160)

Have a look what the booklet for
CIELCh(69, 72.403, 66.160) contains.

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Color

CIELCh(69, 72.561, 65.983)

Conversions

Conversions Part 1

Format	Color
Hex	F29127
RGB	242, 145, 39
RGB Percent	95%, 57%, 15%
CMY	0.0504, 0.4308, 0.8464
CMYK	0.00, 0.40, 0.84, 0.05
HSL	31°, 89%, 55%
HSV	31°, 84%, 95%
XYZ	47.1873, 39.3444, 7.0400
YIQ	161.9190, 91.8380, -12.4020

Conversions

Conversions Part 2

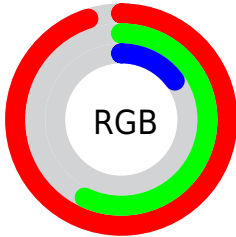
Format	Color
R _Y B	225, 242, 39
Decimal	15896871
CIE Lab	69.00, 29.53, 66.28
CIE LCh	69, 72.561, 65.983
Yxy	39.3444, 0.5043, 0.4205
Android (android.graphics.Color)	4294086951 (0xFFFF29127)
YUV	161.9190, -60.5991, 70.2310
Hunter-Lab	62.7251, 24.5143, 37.2531

Details

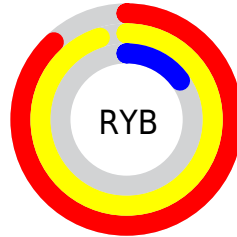
The CIELCh color **69, 72.561, 65.983** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **57, 61.677, 279.797**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 59.148, 81.104**, and **49, 65.048, 62.529** is the 20% darker color. If you saturate the color by 10%, you get **66, 78.776, 63.556**, and if you desaturate by 10%, it is **72, 64.341, 67.818**.

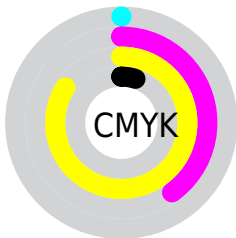
Distribution



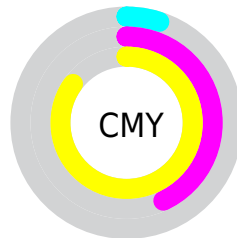
- Red (95%)
- Green (57%)
- Blue (15%)



- Red (88%)
- Yellow (95%)
- Blue (15%)



- Cyan (0%)
- Magenta (40%)
- Yellow (84%)
- Black (5%)



- Cyan (5%)
- Magenta (43%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 72.561, 65.983 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, 72.561, 65.983 by changing the saturation by 10% instead.

69, 72.561, 65.983

69, 72.561, 65.983

100, 72.561,
65.983

59, 72.561, 65.983

89, 72.561, 65.983

49, 72.561, 65.983

99, 72.561, 65.983

39, 72.561, 65.983

29, 72.561, 65.983

19, 72.561, 65.983

9, 72.561, 65.983

0, 72.561, 65.983

69, 72.561, 65.983

69, 72.561, 65.983

66, 78.776, 63.556

72, 64.341, 67.818

65, 81.521, 61.753

75, 55.203, 69.353

78, 45.838, 70.757

81, 36.600, 72.107

84, 27.652, 73.429

87, 19.055, 74.730

91, 10.818, 76.001

94, 2.927, 77.161

98, 3.784, 249.830

Harmonies

Complementary

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



69, 72.561, 65.983



57, 61.677, 279.797

Rectangle

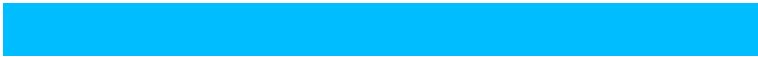
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 72.561, 65.983



69, 72.561, 115.983



69, 72.561, 245.983



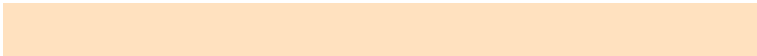
69, 72.561, 295.983

Sweetspot

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



69, 72.559, 65.986



91, 20.903, 74.570



54, 78.035, 357.972



47, 14.372, 74.113



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, 72.559, 65.986



68, 84.817, 61.640



93, 88.484, 104.127



48, 4.366, 76.536



50, 66.032, 62.459



14, 23.436, 63.542

Inverse Universe

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



57, 61.677, 279.797



53, 77.003, 287.091



35, 117.458, 304.775



48, 4.284, 259.087



39, 58.932, 286.142



9, 22.226, 278.632

Previews

White Background



This preview shows how the CIELCh color 69, 72.561, 65.983 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, 72.561, 65.983 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, 72.561, 65.983

Background



This preview shows how black text looks on a background with the CIELCh color 69, 72.561, 65.983.



This preview shows how white text looks on a background with the CIELCh color 69, 72.561, 65.983.

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, 72.561, 65.983

Protanopia

69, 62.482, 95.034

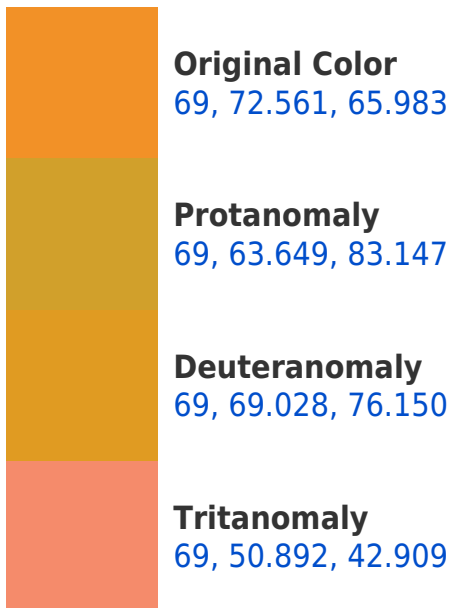
Deuteranopia

69, 67.942, 82.396



Tritanopia
69, 45.686, 17.706

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 72.561, 65.983 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(242, 145, 39)` looks like.

```
.text, #text, p{  
    color:rgb(242, 145, 39)  
}
```

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(242, 145, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 145, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 72.561, 65.983 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(242, 145, 39) }
```

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

```
.border{ border-color:rgb(242, 145, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 145, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 145, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 145, 39);  
box-shadow:4px 4px 4px 4px rgb(242, 145,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 72.561, 65.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 145, 39) }
```

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

```
.background{ background-color: rgb(242,  
145, 39) }
```

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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