

Converting Colors

CIELCh(69, 74.873, 66.938)

Have a look what the booklet for
CIELCh(69, 74.873, 66.938) contains.

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Color

CIELCh(69, 74.686, 66.863)

Conversions

Conversions Part 1

Format	Color
Hex	F2911F
RGB	242, 145, 31
RGB Percent	95%, 57%, 12%
CMY	0.0499, 0.4305, 0.8773
CMYK	0.00, 0.40, 0.87, 0.05
HSL	32°, 89%, 54%
HSV	32°, 87%, 95%
XYZ	47.1207, 39.3444, 6.4273
YIQ	161.0070, 94.4060, -14.8900

Conversions

Conversions Part 2

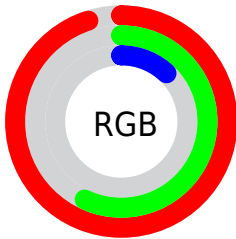
Format	Color
R _Y B	211, 242, 31
Decimal	15896863
CIE Lab	69.00, 29.35, 68.68
CIE LCh	69, 74.686, 66.863
Yxy	39.3444, 0.5073, 0.4235
Android (android.graphics.Color)	4294086943 (0xFFFF2911F)
YUV	161.0070, -64.0935, 71.0309
Hunter-Lab	62.7251, 24.3247, 37.8323

Details

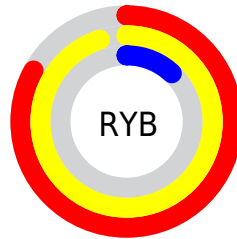
The CIELCh color **69, 74.686, 66.863** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **54, 66.237, 282.930**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 61.687, 81.814**, and **49, 64.708, 62.795** is the 20% darker color. If you saturate the color by 10%, you get **67, 79.783, 64.153**, and if you desaturate by 10%, it is **72, 67.199, 68.894**.

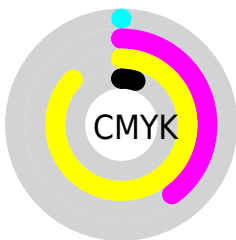
Distribution



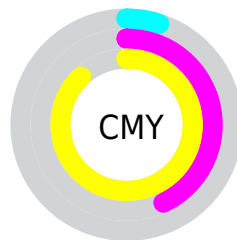
- Red (95%)
- Green (57%)
- Blue (12%)



- Red (83%)
- Yellow (95%)
- Blue (12%)



- Cyan (0%)
- Magenta (40%)
- Yellow (87%)
- Black (5%)



- Cyan (5%)
- Magenta (43%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 74.686, 66.863 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, 74.686, 66.863 by changing the saturation by 10% instead.

69, 74.686, 66.863

69, 74.686, 66.863

100, 74.686,
66.863

59, 74.686, 66.863

89, 74.686, 66.863

49, 74.686, 66.863

99, 74.686, 66.863

39, 74.686, 66.863

29, 74.686, 66.863

19, 74.686, 66.863

9, 74.686, 66.863

0, 74.686, 66.863

69, 74.686, 66.863

69, 74.686, 66.863

67, 79.783, 64.153

72, 67.199, 68.894

66, 81.013, 63.311

74, 58.411, 70.548

77, 49.150, 72.027

80, 39.875, 73.428

83, 30.811, 74.789

87, 22.052, 76.123

90, 13.628, 77.426

93, 5.534, 78.670

97, 2.250, 260.163

Harmonies

Complementary

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



69, 74.686, 66.863



54, 66.237, 282.930

Rectangle

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



69, 74.686, 66.863



69, 74.686, 116.863



69, 74.686, 246.863



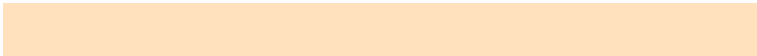
69, 74.686, 296.863

Sweetspot

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



69, 74.684, 66.866



91, 22.024, 76.256



54, 78.816, 0.528



47, 15.035, 75.796



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, 74.684, 66.866



69, 84.254, 63.200



92, 90.022, 104.983



49, 4.502, 78.381



51, 66.315, 63.970



15, 24.695, 65.605

Inverse Universe

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



54, 66.237, 282.930



52, 79.775, 288.658



34, 120.641, 305.335



48, 4.429, 260.953



38, 61.726, 287.779



10, 23.803, 280.843

Previews

White Background



This preview shows how the CIELCh color 69, 74.686, 66.863 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, 74.686, 66.863 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, 74.686, 66.863

Background



This preview shows how black text looks on a background with the CIELCh color 69, 74.686, 66.863.



This preview shows how white text looks on a background with the CIELCh color 69, 74.686, 66.863.

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, 74.686, 66.863

Protanopia

69, 64.732, 95.092

Deuteranopia

69, 70.399, 82.849



Tritanopia
69, 45.686, 17.706

Trichromacy



Original Color
69, 74.686, 66.863

Protanomaly
69, 65.826, 83.571

Deuteranomaly
69, 71.451, 76.807

Tritanomaly
69, 51.804, 44.342

Monochromacy



Original Color
69, 74.686, 66.863

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 27.656, 73.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 74.686, 66.863 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(242, 145, 31)  
}
```

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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 145, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 74.686, 66.863 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, 31) }
```

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

```
.border{ border-color:rgb(242, 145, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 145, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 145, 31);  
box-shadow:4px 4px 4px 4px rgb(242, 145,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 74.686, 66.863 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, 31) }
```

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

```
.background{ background-color: rgb(242,  
145, 31) }
```

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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