

Converting Colors

CIELCh(69, 74.903, 70.058)

Have a look what the booklet for
CIELCh(69, 74.903, 70.058) contains.

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Color

CIELCh(69, 74.903, 70.058)

Conversions

Conversions Part 1

Format	Color
Hex	ED9417
RGB	237, 148, 23
RGB Percent	93%, 58%, 9%
CMY	0.0697, 0.4188, 0.9086
CMYK	0.00, 0.38, 0.90, 0.07
HSL	35°, 86%, 51%
HSV	35°, 90%, 93%
XYZ	45.7764, 39.3444, 6.0077
YIQ	160.3610, 93.1690, -20.0070

Conversions

Conversions Part 2

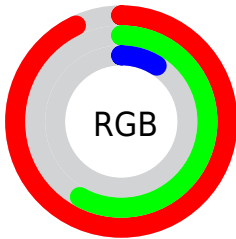
Format	Color
R _Y B	175, 237, 23
Decimal	15569943
CIE Lab	69.00, 25.55, 70.41
CIE LCh	69, 74.903, 70.058
Yxy	39.3444, 0.5023, 0.4317
Android (android.graphics.Color)	4293760023 (0xFFED9417)
YUV	160.3610, -67.7190, 67.2124
Hunter-Lab	62.7251, 20.4994, 38.2289

Details

The CIELCh color **69, 74.903, 70.058** 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 **49, 73.108, 287.940**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 64.332, 83.796**, and **49, 63.036, 65.400** is the 20% darker color. If you saturate the color by 10%, you get **67, 78.733, 67.306**, and if you desaturate by 10%, it is **71, 68.677, 72.284**.

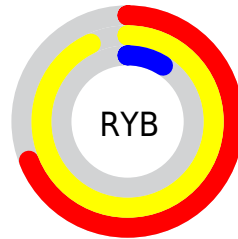
Distribution



Red (93%)

Green (58%)

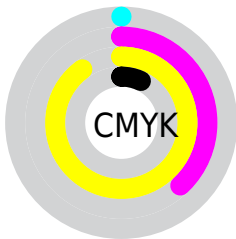
Blue (9%)



Red (69%)

Yellow (93%)

Blue (9%)

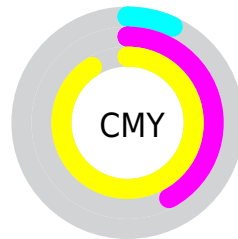


Cyan (0%)

Magenta (38%)

Yellow (90%)

Black (7%)



Cyan (7%)

Magenta (42%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 74.903, 70.058 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, 74.903, 70.058 by changing the saturation by 10% instead.

69, 74.903, 70.058

69, 74.903, 70.058

100, 74.903,
70.058

59, 74.903, 70.058

89, 74.903, 70.058

49, 74.903, 70.058

99, 74.903, 70.058

39, 74.903, 70.058

29, 74.903, 70.058

19, 74.903, 70.058

9, 74.903, 70.058

0, 74.903, 70.058

69, 74.903, 70.058

69, 74.903, 70.058

67, 78.733, 67.306

71, 68.677, 72.284

74, 60.703, 74.083

76, 51.898, 75.666

79, 42.837, 77.143

82, 33.824, 78.563

85, 25.005, 79.944

88, 16.443, 81.287

91, 8.154, 82.580

94, 0.131, 81.271

Harmonies

Complementary

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



69, 74.903, 70.058



49, 73.108, 287.940

Rectangle

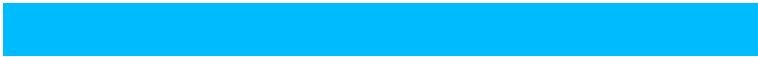
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 74.903, 70.058



69, 74.903, 120.058



69, 74.903, 250.058



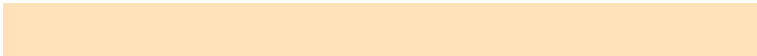
69, 74.903, 300.058

Sweetspot

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



69, 74.901, 70.061



91, 23.603, 80.361



52, 77.981, 6.183



48, 15.994, 79.895



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, 74.901, 70.061



71, 83.190, 67.156



90, 90.000, 107.805



49, 4.585, 82.667



53, 64.883, 67.924



15, 23.713, 70.058

Inverse Universe

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



49, 73.108, 287.940



49, 86.671, 292.091



32, 120.804, 305.965



47, 4.539, 265.240



35, 66.280, 291.231



8, 24.758, 284.316

Previews

White Background



This preview shows how the CIELCh color 69, 74.903, 70.058 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, 74.903, 70.058 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, 74.903, 70.058

Background



This preview shows how black text looks on a background with the CIELCh color 69, 74.903, 70.058.



This preview shows how white text looks on a background with the CIELCh color 69, 74.903, 70.058.

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, 74.903, 70.058

Protanopia

69, 67.203, 95.138

Deuteranopia

69, 72.600, 82.856



Tritanopia
69, 42.720, 16.826

Trichromacy



Original Color
69, 74.903, 70.058

Protanomaly
69, 68.014, 85.175

Deuteranomaly
69, 73.124, 78.377

Tritanomaly
69, 49.997, 47.343

Monochromacy



Original Color
69, 74.903, 70.058

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 28.790, 77.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 74.903, 70.058 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(237, 148, 23)` looks like.

```
.text, #text, p{  
    color:rgb(237, 148, 23)  
}
```

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(237, 148, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 148, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 74.903, 70.058 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(237, 148, 23) }
```

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

```
.border{ border-color:rgb(237, 148, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 148, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 148, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 148, 23);  
box-shadow:4px 4px 4px 4px rgb(237, 148,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 74.903, 70.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 148, 23) }
```

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

```
.background{ background-color: rgb(237,  
148, 23) }
```

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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