

Converting Colors

CIELCh(70, 69.563, 73.084)

Have a look what the booklet for
CIELCh(70, 69.563, 73.084) contains.

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Color

CIELCh(70, 69.635, 73.243)

Conversions

Conversions Part 1

Format	Color
Hex	E89B27
RGB	232, 155, 39
RGB Percent	91%, 61%, 15%
CMY	0.0902, 0.3921, 0.8470
CMYK	0.00, 0.33, 0.83, 0.09
HSL	36°, 81%, 53%
HSV	36°, 83%, 91%
XYZ	45.3712, 40.7494, 7.3945
YIQ	164.7990, 83.1280, -19.7520

Conversions

Conversions Part 2

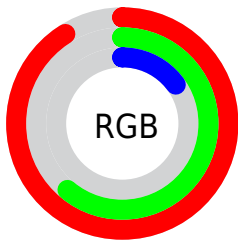
Format	Color
RYB	167, 232, 39
Decimal	15244071
CIELab	70.00, 20.08, 66.68
CIELCh	70, 69.635, 73.243
Yxy	40.7494, 0.4852, 0.4358
Android (android.graphics.Color)	4293434151 (0xFFE89B27)
YUV	164.7990, -62.0189, 58.9353
Hunter-Lab	63.8353, 15.1578, 37.8167

Details

The CIELCh color **70, 69.635, 73.243** 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 **50, 67.876, 286.410**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 61.277, 86.264**, and **50, 61.291, 70.358** is the 20% darker color. If you saturate the color by 10%, you get **68, 74.849, 70.870**, and if you desaturate by 10%, it is **72, 62.351, 75.140**.

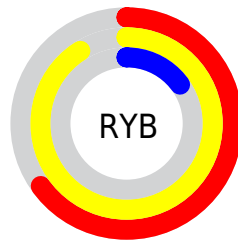
Distribution



Red (91%)

Green (61%)

Blue (15%)



Red (65%)

Yellow (91%)

Blue (15%)

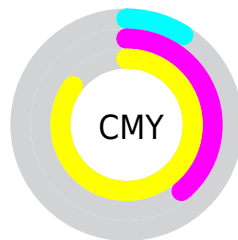


Cyan (0%)

Magenta (33%)

Yellow (83%)

Black (9%)



Cyan (9%)

Magenta (39%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 69.635, 73.243 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 70, 69.635, 73.243 by changing the saturation by 10% instead.

70, 69.635, 73.243

70, 69.635, 73.243

100, 69.635,
73.243

60, 69.635, 73.243

90, 69.635, 73.243

50, 69.635, 73.243

40, 69.635, 73.243

30, 69.635, 73.243

20, 69.635, 73.243

10, 69.635, 73.243

0, 69.635, 73.243

70, 69.635, 73.243

70, 69.635, 73.243

68, 74.849, 70.870

72, 62.351, 75.140

66, 77.154, 68.954

75, 53.961, 76.779

77, 45.130, 78.290

80, 36.233, 79.732

83, 27.461, 81.129

85, 18.900, 82.487

88, 10.582, 83.800

91, 2.510, 84.987

94, 5.325, 266.416

Harmonies

Complementary

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



70, 69.635, 73.243



50, 67.876, 286.410

Rectangle

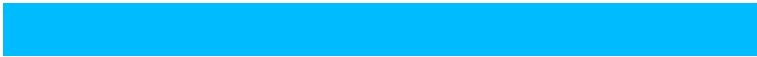
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 69.635, 73.243



70, 69.635, 123.243



70, 69.635, 253.243



70, 69.635, 303.243

Sweetspot

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



70, 69.634, 73.246



92, 22.069, 82.226



52, 74.101, 4.655



48, 15.137, 81.748



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 69.634, 73.246



72, 82.899, 68.761



88, 85.698, 108.689



47, 4.492, 84.272



52, 63.342, 69.582



14, 21.366, 71.695

Inverse Universe

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



50, 67.876, 286.410



48, 89.419, 293.307



34, 112.073, 305.391



45, 4.456, 266.825



33, 66.816, 292.386



7, 23.342, 284.159

Previews

White Background



This preview shows how the CIELCh color 70, 69.635, 73.243 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 CIE LCh color 70, 69.635, 73.243 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 70, 69.635, 73.243

Background



This preview shows how black text looks on a background with the CIELCh color 70, 69.635, 73.243.



This preview shows how white text looks on a background with the CIELCh color 70, 69.635, 73.243.

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

70, 69.635, 73.243

Protanopia

70, 64.257, 95.199

Deuteranopia

70, 67.842, 82.549



Tritanopia
70, 37.575, 15.123

Trichromacy



Original Color
70, 69.635, 73.243

Protanomaly
70, 64.722, 86.926

Deuteranomaly
70, 68.426, 79.015

Tritanomaly
70, 43.698, 48.311

Monochromacy



Original Color
70, 69.635, 73.243

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 26.053, 80.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 69.635, 73.243 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(232, 155, 39)` looks like.

```
.text, #text, p{  
    color:rgb(232, 155, 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(232, 155, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 155, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 69.635, 73.243 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(232, 155, 39) }
```

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

```
.border{ border-color:rgb(232, 155, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 155, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 155, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 155, 39);  
box-shadow:4px 4px 4px 4px rgb(232, 155,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 69.635, 73.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 155, 39) }
```

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

```
.background{ background-color: rgb(232,  
155, 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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