

Converting Colors

CIELCh(69, 77.491, 72.279)

Have a look what the booklet for
CIELCh(69, 77.491, 72.279) contains.

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Color

CIELCh(69, 77.461, 72.413)

Conversions

Conversions Part 1

Format	Color
Hex	EB9600
RGB	235, 150, 0
RGB Percent	92%, 59%, 0%
CMY	0.0796, 0.4127, 0.9984
CMYK	0.00, 0.36, 1.00, 0.08
HSL	38°, 100%, 46%
HSV	38°, 100%, 92%
XYZ	45.0300, 39.3444, 5.2321
YIQ	158.3150, 98.8100, -28.6300

Conversions

Conversions Part 2

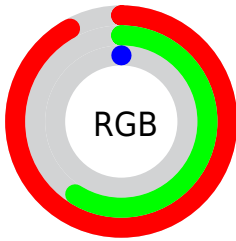
Format	Color
RYB	133, 235, 0
Decimal	15439360
CIELab	69.00, 23.41, 73.84
CIELCh	69, 77.461, 72.413
Yxy	39.3444, 0.5025, 0.4391
Android (android.graphics.Color)	4293629440 (0xFFEB9600)
YUV	158.3150, -78.0493, 67.2527
Hunter-Lab	62.7251, 18.3752, 38.9620

Details

The CIELCh color **69, 77.461, 72.413** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **42, 88.846, 295.416**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.910, 85.345**, and **49, 62.213, 67.040** is the 20% darker color. If you saturate the color by 10%, you get **69, 77.511, 72.370**, and if you desaturate by 10%, it is **71, 74.187, 75.035**.

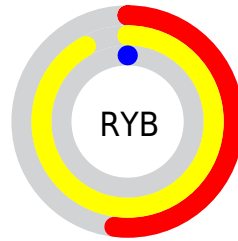
Distribution



Red (92%)

Green (59%)

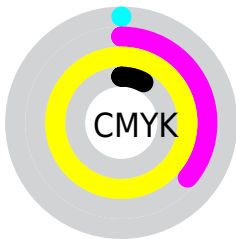
Blue (0%)



Red (52%)

Yellow (92%)

Blue (0%)

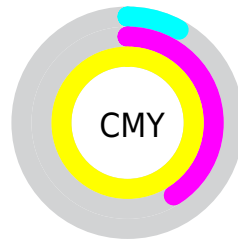


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 77.461, 72.413 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, 77.461, 72.413 by changing the saturation by 10% instead.

69, 77.461, 72.413

69, 77.461, 72.413

100, 77.461,
72.413

59, 77.461, 72.413

89, 77.461, 72.413

49, 77.461, 72.413

99, 77.461, 72.413

39, 77.461, 72.413

29, 77.461, 72.413

19, 77.461, 72.413

9, 77.461, 72.413

0, 77.461, 72.413

69, 77.461, 72.413

69, 77.461, 72.413

69, 77.511, 72.370

71, 74.187, 75.035

73, 68.504, 77.159

75, 60.951, 78.930

78, 52.407, 80.514

80, 43.458, 82.000

82, 34.432, 83.428

85, 25.501, 84.813

88, 16.743, 86.155

90, 8.190, 87.443

Harmonies

Complementary

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



69, 77.461, 72.413



42, 88.846, 295.416

Rectangle

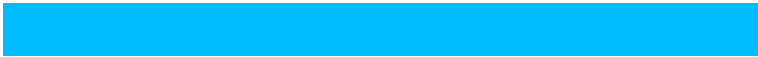
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 77.461, 72.413



69, 77.461, 122.413



69, 77.461, 252.413



69, 77.461, 302.413

Sweetspot

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



69, 77.459, 72.416



91, 27.443, 84.771



50, 80.443, 15.718



48, 18.815, 84.189



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, 77.459, 72.416



74, 82.540, 72.215



88, 92.130, 111.038



48, 4.730, 87.488



54, 63.802, 72.939



15, 22.981, 75.562

Inverse Universe

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



42, 88.846, 295.416



46, 95.234, 295.648



30, 124.728, 306.708



46, 4.714, 270.015



32, 72.001, 294.828



7, 25.823, 287.439

Previews

White Background



This preview shows how the CIELCh color 69, 77.461, 72.413 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, 77.461, 72.413 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, 77.461, 72.413

Background



This preview shows how black text looks on a background with the CIELCh color 69, 77.461, 72.413.



This preview shows how white text looks on a background with the CIELCh color 69, 77.461, 72.413.

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, 77.583, 72.448

Protanopia

69, 69.684, 95.167

Deuteranopia

69, 73.163, 83.307



Tritanopia
69, 41.465, 16.441

Trichromacy



Original Color
69, 77.583, 72.448

Protanomaly
69, 70.926, 86.383

Deuteranomaly
69, 74.381, 79.011

Tritanomaly
69, 51.819, 51.875

Monochromacy



Original Color
69, 77.583, 72.448

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 32.820, 82.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 77.461, 72.413 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(235, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 150, 0)  
}
```

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(235, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 150, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 77.461, 72.413 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(235, 150, 0) }
```

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

```
.border{ border-color:rgb(235, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 150,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 77.461, 72.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 150, 0) }
```

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

```
.background{ background-color: rgb(235,  
150, 0) }
```

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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