

Converting Colors

CIELCh(67, 79.097, 67.272)

Have a look what the booklet for
CIELCh(67, 79.097, 67.272) contains.

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Color

CIELCh(67, 78.926, 67.318)

Conversions

Conversions Part 1

Format	Color
Hex	EE8B00
RGB	238, 139, 0
RGB Percent	93%, 55%, 0%
CMY	0.0668, 0.4550, 1.0000
CMYK	0.00, 0.42, 1.00, 0.07
HSL	35°, 100%, 47%
HSV	35°, 100%, 93%
XYZ	44.4810, 36.6320, 4.7249
YIQ	152.7550, 103.6230, -22.2410

Conversions

Conversions Part 2

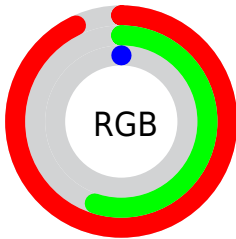
Format	Color
RYB	170, 238, 0
Decimal	15633152
CIELab	67.00, 30.44, 72.82
CIElCh	67, 78.926, 67.318
Yxy	36.6320, 0.5182, 0.4268
Android (android.graphics.Color)	4293823232 (0xFFEE8B00)
YUV	152.7550, -75.3082, 74.7599
Hunter-Lab	60.5244, 25.2668, 37.7385

Details

The CIELCh color **67, 78.926, 67.318** 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 **46, 81.959, 291.949**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 66.696, 80.418**, and **47, 64.149, 60.989** is the 20% darker color. If you saturate the color by 10%, you get **67, 78.919, 67.319**, and if you desaturate by 10%, it is **69, 74.998, 70.121**.

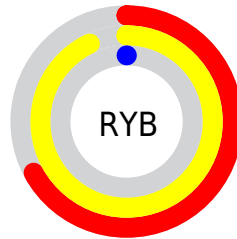
Distribution



Red (93%)

Green (55%)

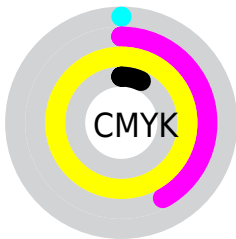
Blue (0%)



Red (67%)

Yellow (93%)

Blue (0%)

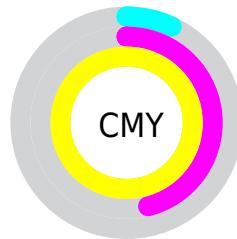


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 78.926, 67.318 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 67, 78.926, 67.318 by changing the saturation by 10% instead.

67, 78.926, 67.318

67, 78.926, 67.318

100, 78.926,
67.318

57, 78.926, 67.318

87, 78.926, 67.318

47, 78.926, 67.318

97, 78.926, 67.318

37, 78.926, 67.318

27, 78.926, 67.318

17, 78.926, 67.318

7, 78.926, 67.318

0, 78.926, 67.318

67, 78.926, 67.318

67, 78.926, 67.318

67, 78.919, 67.319

69, 74.998, 70.121

72, 68.723, 72.336

74, 60.711, 74.130

77, 51.876, 75.711

79, 42.791, 77.187

82, 33.757, 78.607

85, 24.919, 79.987

88, 16.339, 81.330

91, 8.031, 82.623

Harmonies

Complementary

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



67, 78.926, 67.318



46, 81.959, 291.949

Rectangle

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



67, 78.926, 67.318



67, 78.926, 117.318



67, 78.926, 247.318



67, 78.926, 297.318

Sweetspot

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



67, 78.919, 67.319



90, 26.360, 79.972



51, 80.391, 10.960



47, 18.108, 79.392



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 78.919, 67.319



71, 83.186, 67.176



90, 92.452, 108.042



49, 4.586, 82.688



53, 64.880, 67.943



15, 23.714, 70.080

Inverse Universe

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



46, 81.959, 291.949



49, 86.705, 292.107



30, 126.571, 306.493



47, 4.540, 265.260



35, 66.306, 291.247



8, 24.767, 284.335

Previews

White Background



This preview shows how the CIELCh color 67, 78.926, 67.318 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 67, 78.926, 67.318 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 67, 78.926, 67.318

Background



This preview shows how black text looks on a background with the CIELCh color 67, 78.926, 67.318.



This preview shows how white text looks on a background with the CIELCh color 67, 78.926, 67.318.

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

67, 78.926, 67.318

Protanopia

67, 67.806, 95.328

Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 46.813, 18.141

Trichromacy



Original Color
67, 78.926, 67.318

Protanomaly
67, 69.626, 83.940

Deuteranomaly
67, 73.399, 76.905

Tritanomaly
67, 56.389, 48.336

Monochromacy



Original Color
67, 78.926, 67.318

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 32.722, 77.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 78.926, 67.318 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(238, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 139, 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(238, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 139, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 78.926, 67.318 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(238, 139, 0) }
```

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

```
.border{ border-color:rgb(238, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 139,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 78.926, 67.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 139, 0) }
```

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

```
.background{ background-color: rgb(238,  
139, 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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