

Converting Colors

CIELCh(67, 70.155, 65.830)

Have a look what the booklet for
CIELCh(67, 70.155, 65.830) contains.

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Color

CIELCh(67, 69.922, 66.077)

Conversions

Conversions Part 1

Format	Color
Hex	EA8D28
RGB	234, 141, 40
RGB Percent	92%, 55%, 16%
CMY	0.0829, 0.4475, 0.8437
CMYK	0.00, 0.40, 0.83, 0.08
HSL	31°, 82%, 54%
HSV	31°, 83%, 92%
XYZ	43.7694, 36.6320, 6.7586
YIQ	157.2930, 87.8490, -11.6950

Conversions

Conversions Part 2

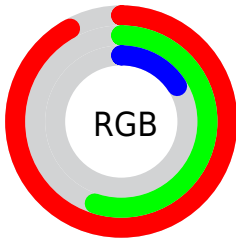
Format	Color
R _Y B	219, 234, 40
Decimal	15371560
CIE Lab	67.00, 28.35, 63.92
CIE LCh	67, 69.922, 66.077
Yxy	36.6320, 0.5022, 0.4203
Android (android.graphics.Color)	4293561640 (0xFFEA8D28)
YUV	157.2930, -57.8254, 67.2720
Hunter-Lab	60.5244, 23.1681, 35.7463

Details

The CIELCh color **67, 69.922, 66.077** 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 **55, 59.193, 279.216**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 58.443, 78.931**, and **47, 62.835, 62.754** is the 20% darker color. If you saturate the color by 10%, you get **64, 76.239, 63.738**, and if you desaturate by 10%, it is **70, 61.783, 67.862**.

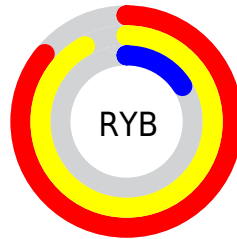
Distribution



Red (92%)

Green (55%)

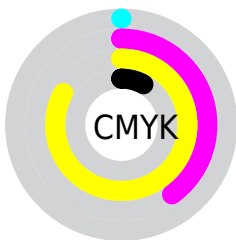
Blue (16%)



Red (86%)

Yellow (92%)

Blue (16%)

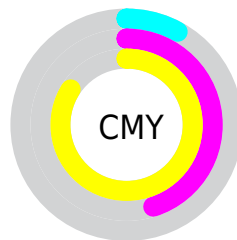


Cyan (0%)

Magenta (40%)

Yellow (83%)

Black (8%)



Cyan (8%)

Magenta (45%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 69.922, 66.077 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, 69.922, 66.077 by changing the saturation by 10% instead.

67, 69.922, 66.077

67, 69.922, 66.077

100, 69.922,
66.077

57, 69.922, 66.077

87, 69.922, 66.077

47, 69.922, 66.077

97, 69.922, 66.077

37, 69.922, 66.077

27, 69.922, 66.077

17, 69.922, 66.077

7, 69.922, 66.077

0, 69.922, 66.077

67, 69.922, 66.077

67, 69.922, 66.077

64, 76.239, 63.738

70, 61.783, 67.862

63, 79.410, 61.720

73, 52.845, 69.372

75, 43.738, 70.763

79, 34.779, 72.103

82, 26.113, 73.419

85, 17.792, 74.713

88, 9.822, 75.976

92, 2.187, 77.090

95, 5.140, 258.568

Harmonies

Complementary

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



67, 69.922, 66.077



55, 59.193, 279.216

Rectangle

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



67, 69.922, 66.077



67, 69.922, 116.077



67, 69.922, 246.077



67, 69.922, 296.077

Sweetspot

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



67, 69.920, 66.080



91, 20.887, 74.435



53, 75.627, 357.629



47, 14.361, 73.979



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, 69.920, 66.080



68, 84.861, 61.527



90, 85.670, 104.160



47, 4.285, 76.401



49, 65.369, 62.388



13, 22.199, 63.172

Inverse Universe

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



55, 59.193, 279.216



53, 76.801, 286.972



34, 113.285, 304.614



47, 4.204, 258.944



38, 58.112, 285.973



9, 21.342, 277.999

Previews

White Background



This preview shows how the CIELCh color 67, 69.922, 66.077 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, 69.922, 66.077 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, 69.922, 66.077

Background



This preview shows how black text looks on a background with the CIELCh color 67, 69.922, 66.077.



This preview shows how white text looks on a background with the CIELCh color 67, 69.922, 66.077.

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, 69.922, 66.077

Protanopia

67, 60.088, 95.618

Deuteranopia

67, 65.393, 82.391



Tritanopia
67, 43.888, 17.964

Trichromacy



Original Color
67, 69.922, 66.077

Protanomaly
67, 61.166, 84.111

Deuteranomaly
67, 66.476, 76.268

Tritanomaly
67, 49.268, 42.998

Monochromacy



Original Color
67, 69.922, 66.077

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 25.410, 72.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 69.922, 66.077 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(234, 141, 40)` looks like.

```
.text, #text, p{  
    color:rgb(234, 141, 40)  
}
```

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(234, 141, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 141, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 69.922, 66.077 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(234, 141, 40) }
```

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

```
.border{ border-color:rgb(234, 141, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 141, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 141, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 141, 40);  
box-shadow:4px 4px 4px 4px rgb(234, 141,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 69.922, 66.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 141, 40) }
```

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

```
.background{ background-color: rgb(234,  
141, 40) }
```

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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