

Converting Colors

CIELCh(70, 67.836, 76.983)

Have a look what the booklet for
CIELCh(70, 67.836, 76.983) contains.

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Color

CIELCh(70, 67.762, 76.765)

Conversions

Conversions Part 1

Format	Color
Hex	E19E28
RGB	225, 158, 40
RGB Percent	88%, 62%, 16%
CMY	0.1165, 0.3794, 0.8420
CMYK	0.00, 0.30, 0.82, 0.12
HSL	38°, 76%, 52%
HSV	38°, 82%, 88%
XYZ	43.8003, 40.7494, 7.5908
YIQ	164.5810, 77.8100, -22.4940

Conversions

Conversions Part 2

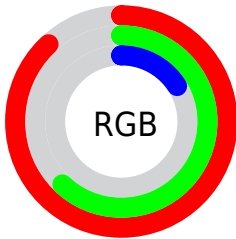
Format	Color
R _Y B	145, 225, 40
Decimal	14786088
CIE Lab	70.00, 15.51, 65.96
CIE LCh	70, 67.762, 76.765
Yxy	40.7494, 0.4754, 0.4423
Android (android.graphics.Color)	4292976168 (0xFFE19E28)
YUV	164.5810, -61.4184, 52.9875
Hunter-Lab	63.8353, 10.7652, 37.6344

Details

The CIELCh color **70, 67.762, 76.765** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **48, 69.482, 288.668**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 61.584, 87.655**, and **50, 59.293, 74.591** is the 20% darker color. If you saturate the color by 10%, you get **68, 72.762, 74.548**, and if you desaturate by 10%, it is **72, 60.757, 78.591**.

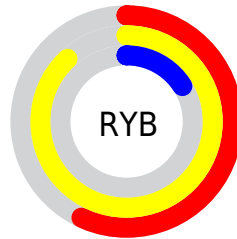
Distribution



Red (88%)

Green (62%)

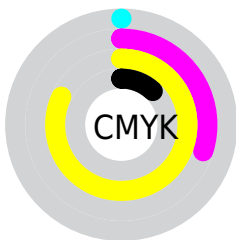
Blue (16%)



Red (57%)

Yellow (88%)

Blue (16%)

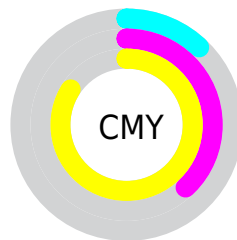


Cyan (0%)

Magenta (30%)

Yellow (82%)

Black (12%)



Cyan (12%)

Magenta (38%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 67.762, 76.765 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, 67.762, 76.765 by changing the saturation by 10% instead.

70, 67.762, 76.765

70, 67.762, 76.765

100, 67.762,
76.765

60, 67.762, 76.765

90, 67.762, 76.765

50, 67.762, 76.765

40, 67.762, 76.765

30, 67.762, 76.765

20, 67.762, 76.765

10, 67.762, 76.765

0, 67.762, 76.765

70, 67.762, 76.765

70, 67.762, 76.765

68, 72.762, 74.548

72, 60.757, 78.591

66, 75.153, 72.470

74, 52.639, 80.202

77, 44.033, 81.701

79, 35.300, 83.137

81, 26.630, 84.527

84, 18.116, 85.875

86, 9.796, 87.175

89, 1.679, 88.302

92, 6.238, 269.740

Harmonies

Complementary

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



70, 67.762, 76.765



48, 69.482, 288.668

Rectangle

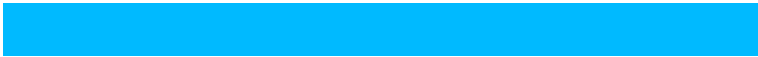
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 67.762, 76.765



70, 67.762, 126.765



70, 67.762, 256.765



70, 67.762, 306.765

Sweetspot

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



70, 67.761, 76.768



93, 22.733, 85.467



50, 71.825, 7.018



49, 15.577, 84.990



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, 67.761, 76.768



75, 82.250, 72.505



85, 83.526, 110.451



46, 4.561, 87.510



53, 62.462, 73.027



13, 20.450, 75.539

Inverse Universe

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



48, 69.482, 288.668



46, 94.236, 295.309



34, 107.986, 305.630



44, 4.545, 270.024



31, 70.357, 294.757



6, 23.242, 285.120

Previews

White Background



This preview shows how the CIELCh color 70, 67.762, 76.765 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, 67.762, 76.765 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, 67.762, 76.765

Background



This preview shows how black text looks on a background with the CIELCh color 70, 67.762, 76.765.



This preview shows how white text looks on a background with the CIELCh color 70, 67.762, 76.765.

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, 67.762, 76.765

Protanopia

70, 63.931, 95.191

Deuteranopia

70, 66.985, 82.379



Tritanopia
70, 33.853, 12.837

Trichromacy



Original Color
70, 67.762, 76.765

Protanomaly
70, 64.313, 88.133

Deuteranomaly
70, 67.025, 80.304

Tritanomaly
70, 39.977, 50.606

Monochromacy



Original Color
70, 67.762, 76.765

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 25.715, 84.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 67.762, 76.765 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(225, 158, 40)` looks like.

```
.text, #text, p{  
    color:rgb(225, 158, 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(225, 158, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 158, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 67.762, 76.765 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(225, 158, 40) }
```

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

```
.border{ border-color:rgb(225, 158, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 158, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 158, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 158, 40);  
box-shadow:4px 4px 4px 4px rgb(225, 158,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 67.762, 76.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 158, 40) }
```

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

```
.background{ background-color: rgb(225,  
158, 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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