

Converting Colors

CIELCh(67, 87.315, 91.537)

Have a look what the booklet for
CIELCh(67, 87.315, 91.537) contains.

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Color

CIELCh(67, 70.442, 90.740)

Conversions

Conversions Part 1

Format	Color
Hex	C1A100
RGB	193, 161, 0
RGB Percent	76%, 63%, 0%
CMY	0.2449, 0.3701, 1.0000
CMYK	0.00, 0.17, 1.00, 0.24
HSL	50°, 100%, 38%
HSV	50°, 100%, 76%
XYZ	34.5526, 36.6320, 5.2226
YIQ	152.2140, 70.7530, -43.2870

Conversions

Conversions Part 2

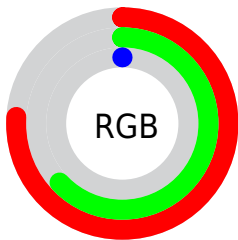
Format	Color
R _Y B	38, 193, 0
Decimal	12689664
CIE Lab	67.00, -0.91, 70.44
CIE LCh	67, 70.442, 90.740
Yxy	36.6320, 0.4522, 0.4794
Android (android.graphics.Color)	4290879744 (0xFFC1A100)
YUV	152.2140, -75.0415, 35.7693
Hunter-Lab	60.5244, -4.0140, 37.2509

Details

The CIELCh color **67, 70.442, 90.740** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **26, 98.281, 303.530**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 70.301, 90.433**, and **47, 53.636, 90.059** is the 20% darker color. If you saturate the color by 10%, you get **67, 70.320, 90.735**, and if you desaturate by 10%, it is **68, 68.267, 91.973**.

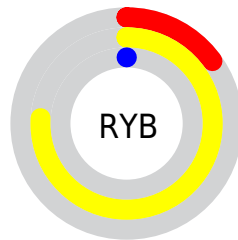
Distribution



Red (76%)

Green (63%)

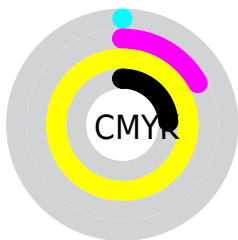
Blue (0%)



Red (15%)

Yellow (76%)

Blue (0%)

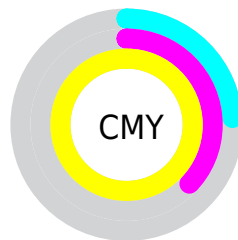


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 70.442, 90.740 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, 70.442, 90.740 by changing the saturation by 10% instead.

 67, 70.442, 90.740

 67, 70.442, 90.740

 100, 70.442,
90.740

 57, 70.442, 90.740

 87, 70.442, 90.740

 47, 70.442, 90.740

 97, 70.442, 90.740

 37, 70.442, 90.740

 27, 70.442, 90.740

 17, 70.442, 90.740

 7, 70.442, 90.740

 0, 70.442, 90.740

 67, 70.442, 90.740

 67, 70.442, 90.740

 67, 70.320, 90.735

 68, 68.267, 91.973

69, 64.254, 93.161

70, 58.339, 94.326

71, 51.133, 95.492

72, 43.146, 96.664

73, 34.730, 97.837

74, 26.101, 99.003

75, 17.390,
100.151

77, 8.673, 101.269

Harmonies

Complementary

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



67, 70.442, 90.740



26, 98.281, 303.530

Rectangle

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



67, 70.442, 90.740



67, 70.442, 140.740



67, 70.442, 270.740



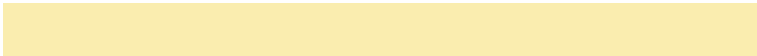
67, 70.442, 320.740

Sweetspot

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



67, 70.320, 90.735



94, 32.253, 98.948



40, 77.035, 32.005



49, 21.988, 98.454



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



67, 70.320, 90.735



85, 85.425, 90.515



71, 83.635, 121.494



40, 4.941, 101.338



57, 61.559, 90.919



10, 15.141, 95.904

Inverse Universe

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



26, 98.281, 303.530



35, 120.978, 303.875



27, 104.544, 308.758



38, 5.009, 283.476



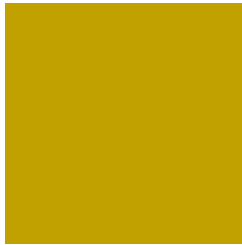
21, 85.034, 303.219



2, 17.214, 286.262

Previews

White Background



This preview shows how the CIELCh color 67, 70.442, 90.740 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 67, 70.442, 90.740 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, 70.442, 90.740

Background



This preview shows how black text looks on a background with the CIELCh color 67, 70.442, 90.740.

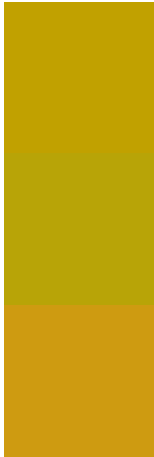


This preview shows how white text looks on a background with the CIELCh color 67, 70.442, 90.740.

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, 70.442, 90.740

Protanopia

67, 69.402, 95.337

Deuteranopia

67, 69.056, 83.082



Tritanopia
67, 21.375, 3.706

Trichromacy



Original Color
67, 70.442, 90.740

Protanomaly
67, 69.770, 93.795

Deuteranomaly
67, 69.408, 85.920

Tritanomaly
66, 34.786, 72.460

Monochromacy



Original Color
67, 70.442, 90.740

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 32.227, 97.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 70.442, 90.740 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(193, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 161, 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(193, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 161, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 70.442, 90.740 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(193, 161, 0) }
```

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

```
.border{ border-color:rgb(193, 161, 0) }
```

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

Here you see how a box with a 4 pixel rgb(193, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 161,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 70.442, 90.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 161, 0) }
```

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

```
.background{ background-color: rgb(193,  
161, 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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