

Converting Colors

CIELCh(67, 72.788, 78.422)

Have a look what the booklet for
CIELCh(67, 72.788, 78.422) contains.

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Color

CIELCh(67, 72.908, 78.375)

Conversions

Conversions Part 1

Format	Color
Hex	D89701
RGB	216, 151, 1
RGB Percent	85%, 59%, 0%
CMY	0.1539, 0.4086, 0.9979
CMYK	0.00, 0.30, 1.00, 0.15
HSL	42°, 100%, 42%
HSV	42°, 100%, 85%
XYZ	39.2855, 36.6320, 5.0149
YIQ	153.3350, 86.8900, -32.8700

Conversions

Conversions Part 2

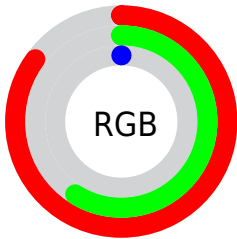
Format	Color
RYB	94, 216, 1
Decimal	14194433
CIELab	67.00, 14.69, 71.41
CIELCh	67, 72.908, 78.375
Yxy	36.6320, 0.4854, 0.4526
Android (android.graphics.Color)	4292384513 (0xFFD89701)
YUV	153.3350, -75.1012, 54.9572
Hunter-Lab	60.5244, 9.9442, 37.4544

Details

The CIELCh color **67, 72.908, 78.375** 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 **36, 91.220, 298.542**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.500, 85.857**, and **47, 56.879, 74.062** is the 20% darker color. If you saturate the color by 10%, you get **67, 72.967, 78.323**, and if you desaturate by 10%, it is **69, 70.225, 80.615**.

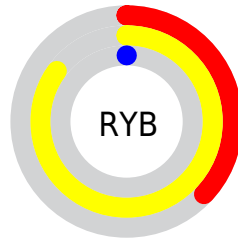
Distribution



Red (85%)

Green (59%)

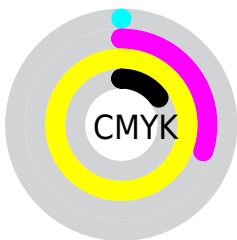
Blue (0%)



Red (37%)

Yellow (85%)

Blue (0%)

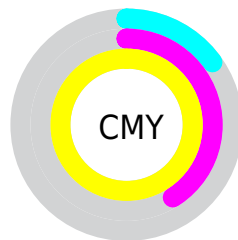


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 72.908, 78.375 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, 72.908, 78.375 by changing the saturation by 10% instead.

67, 72.908, 78.375

67, 72.908, 78.375

100, 72.908,
78.375

57, 72.908, 78.375

87, 72.908, 78.375

47, 72.908, 78.375

97, 72.908, 78.375

37, 72.908, 78.375

27, 72.908, 78.375

17, 72.908, 78.375

7, 72.908, 78.375

0, 72.908, 78.375

67, 72.908, 78.375

67, 72.908, 78.375

67, 72.967, 78.323

69, 70.225, 80.615

70, 65.303, 82.506

72, 58.515, 84.145

74, 50.641, 85.648

76, 42.236, 87.076

78, 33.631, 88.456

80, 25.012, 89.796

82, 16.472, 91.096

84, 8.059, 92.345

Harmonies

Complementary

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



67, 72.908, 78.375



36, 91.220, 298.542

Rectangle

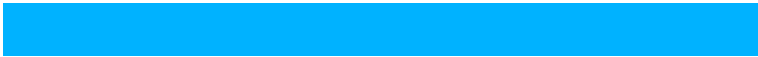
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 72.908, 78.375



67, 72.908, 128.375



67, 72.908, 258.375



67, 72.908, 308.375

Sweetspot

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



67, 72.906, 78.378



93, 28.890, 89.726



46, 76.854, 20.104



48, 19.768, 89.159



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, 72.906, 78.378



78, 82.741, 78.051



81, 87.315, 113.871



44, 4.659, 92.386



54, 61.361, 78.775



12, 18.595, 81.908

Inverse Universe

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



36, 91.220, 298.542



42, 104.753, 298.936



28, 116.403, 307.052



42, 4.673, 274.802



28, 75.599, 298.064



4, 21.856, 285.617

Previews

White Background



This preview shows how the CIELCh color 67, 72.908, 78.375 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, 72.908, 78.375 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, 72.908, 78.375

Background



This preview shows how black text looks on a background with the CIELCh color 67, 72.908, 78.375.



This preview shows how white text looks on a background with the CIELCh color 67, 72.908, 78.375.

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, 72.908, 78.375

Protanopia

67, 68.471, 95.332

Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 33.375, 12.699

Trichromacy



Original Color
67, 72.908, 78.375

Protanomaly
67, 69.276, 88.670

Deuteranomaly
67, 71.937, 81.230

Tritanomaly
67, 44.167, 57.219

Monochromacy



Original Color
67, 72.908, 78.375

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 31.679, 87.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 72.908, 78.375 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(216, 151, 1)` looks like.

```
.text, #text, p{  
    color:rgb(216, 151, 1)  
}
```

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(216, 151, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 151, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 72.908, 78.375 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(216, 151, 1) }
```

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

```
.border{ border-color:rgb(216, 151, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 151, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 151, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 151, 1);  
box-shadow:4px 4px 4px 4px rgb(216, 151,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 72.908, 78.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 151, 1) }
```

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

```
.background{ background-color: rgb(216,  
151, 1) }
```

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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