

Converting Colors

CIELCh(57, 57.849, 42.946)

Have a look what the booklet for
CIELCh(57, 57.849, 42.946) contains.

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Color

CIELCh(57, 57.875, 42.929)

Conversions

Conversions Part 1

Format	Color
Hex	D96746
RGB	217, 103, 70
RGB Percent	85%, 40%, 27%
CMY	0.1487, 0.5958, 0.7252
CMYK	0.00, 0.53, 0.68, 0.15
HSL	13°, 66%, 56%
HSV	13°, 68%, 85%
XYZ	34.6056, 24.9227, 8.7917
YIQ	133.3240, 78.5370, 13.9050

Conversions

Conversions Part 2

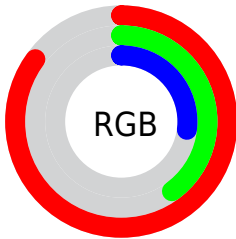
Format	Color
RYB	217, 113, 70
Decimal	14247750
CIELab	57.00, 42.38, 39.42
CIElCh	57, 57.875, 42.929
Yxy	24.9227, 0.5065, 0.3648
Android (android.graphics.Color)	4292437830 (0xFFD96746)
YUV	133.3240, -31.2187, 73.3839
Hunter-Lab	49.9226, 36.3690, 24.5045

Details

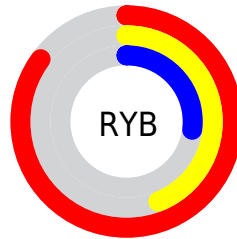
The CIELCh color **57, 57.875, 42.929** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **70, 33.851, 230.153**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 48.283, 46.385**, and **37, 57.843, 42.863** is the 20% darker color. If you saturate the color by 10%, you get **54, 68.245, 43.637**, and if you desaturate by 10%, it is **61, 47.643, 42.340**.

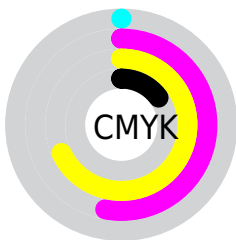
Distribution



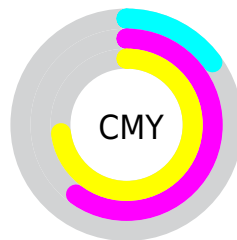
- Red (85%)
- Green (40%)
- Blue (27%)



- Red (85%)
- Yellow (44%)
- Blue (27%)



- Cyan (0%)
- Magenta (53%)
- Yellow (68%)
- Black (15%)



- Cyan (15%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 57.875, 42.929 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 57, 57.875, 42.929 by changing the saturation by 10% instead.

57, 57.875, 42.929

57, 57.875, 42.929

100, 57.875,
42.929

47, 57.875, 42.929

77, 57.875, 42.929

37, 57.875, 42.929

87, 57.875, 42.929

27, 57.875, 42.929

97, 57.875, 42.929

17, 57.875, 42.929

7, 57.875, 42.929

0, 57.875, 42.929

57, 57.875, 42.929

57, 57.875, 42.929

54, 68.245, 43.637

61, 47.643, 42.340

51, 77.989, 44.177

65, 37.890, 41.946

49, 85.674, 44.007

69, 28.753, 41.751

48, 87.263, 44.027

74, 20.271, 41.728

78, 12.434, 41.838

83, 5.202, 42.013

88, 1.477, 222.829

93, 7.662, 222.899

97, 12.600,
199.637

Harmonies

Complementary

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



57, 57.875, 42.929



70, 33.851, 230.153

Rectangle

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



57, 57.875, 42.929



57, 57.875, 92.929



57, 57.875, 222.929



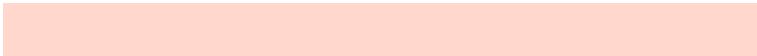
57, 57.875, 272.929

Sweetspot

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



57, 57.873, 42.932



89, 16.151, 41.801



55, 75.150, 335.969



46, 11.149, 41.766



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 57.873, 42.932



61, 81.640, 43.900



74, 57.863, 85.943



44, 3.882, 41.986



39, 73.404, 44.433



7, 20.628, 32.917

Inverse Universe

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



70, 33.851, 230.153



78, 41.902, 234.221



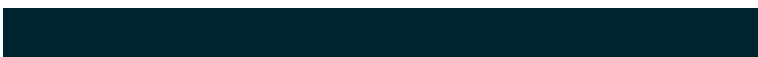
49, 61.709, 288.861



45, 3.666, 222.835



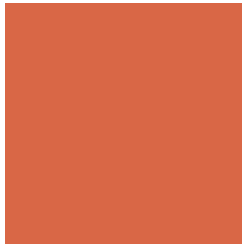
52, 33.408, 240.658



12, 13.138, 232.299

Previews

White Background



This preview shows how the CIELCh color 57, 57.875, 42.929 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 57.875, 42.929 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 57.875, 42.929

Background



This preview shows how black text looks on a background with the CIELCh color 57, 57.875, 42.929.



This preview shows how white text looks on a background with the CIELCh color 57, 57.875, 42.929.

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

57, 57.875, 42.929

Protanopia

57, 31.337, 95.730

Deuteranopia

57, 41.910, 79.859



Tritanopia
57, 51.497, 22.664

Trichromacy



Original Color
57, 57.875, 42.929

Protanomaly
56, 35.637, 67.557

Deuteranomaly
57, 45.105, 62.965

Tritanomaly
57, 53.056, 30.650

Monochromacy



Original Color
57, 57.875, 42.929

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 19.554, 41.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 57.875, 42.929 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(217, 103, 70)` looks like.

```
.text, #text, p{  
    color:rgb(217, 103, 70)  
}
```

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(217, 103, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 103, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 57.875, 42.929 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(217, 103, 70) }
```

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

```
.border{ border-color:rgb(217, 103, 70) }
```

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

Here you see how a box with a 4 pixel rgb(217, 103, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 103, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 103, 70);  
box-shadow:4px 4px 4px 4px rgb(217, 103,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 57.875, 42.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 103, 70) }
```

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

```
.background{ background-color: rgb(217,  
103, 70) }
```

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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