

Converting Colors

CIELCh(71, 57.180, 88.136)

Have a look what the booklet for
CIELCh(71, 57.180, 88.136) contains.

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Color

CIELCh(71, 57.355, 88.128)

Conversions

Conversions Part 1

Format	Color
Hex	CEAA40
RGB	206, 170, 64
RGB Percent	81%, 67%, 25%
CMY	0.1926, 0.3337, 0.7494
CMYK	0.00, 0.17, 0.69, 0.19
HSL	45°, 59%, 53%
HSV	45°, 69%, 81%
XYZ	40.7020, 42.1875, 10.8334
YIQ	168.6800, 55.4820, -25.3340

Conversions

Conversions Part 2

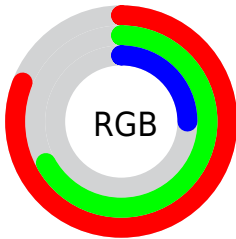
Format	Color
RYB	112, 206, 64
Decimal	13544000
CIELab	71.00, 1.87, 57.32
CIElCh	71, 57.355, 88.128
Yxy	42.1875, 0.4343, 0.4501
Android (android.graphics.Color)	4291734080 (0xFFCEAA40)
YUV	168.6800, -51.6072, 32.7296
Hunter-Lab	64.9519, -1.8092, 35.5773

Details

The CIELCh color **71, 57.355, 88.128** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **45, 62.933, 290.950**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 55.992, 92.668**, and **51, 56.978, 87.941** is the 20% darker color. If you saturate the color by 10%, you get **70, 63.862, 86.651**, and if you desaturate by 10%, it is **73, 49.733, 89.526**.

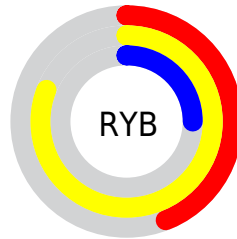
Distribution



Red (81%)

Green (67%)

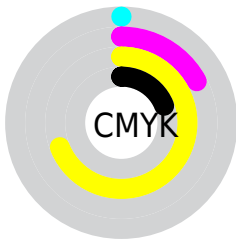
Blue (25%)



Red (44%)

Yellow (81%)

Blue (25%)

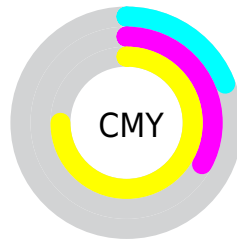


Cyan (0%)

Magenta (17%)

Yellow (69%)

Black (19%)



Cyan (19%)

Magenta (33%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 57.355, 88.128 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 71, 57.355, 88.128 by changing the saturation by 10% instead.

71, 57.355, 88.128

71, 57.355, 88.128

100, 57.355,
88.128

61, 57.355, 88.128

91, 57.355, 88.128

51, 57.355, 88.128

41, 57.355, 88.128

31, 57.355, 88.128

21, 57.355, 88.128

11, 57.355, 88.128

1, 57.355, 88.128

0, 57.355, 88.128

71, 57.355, 88.128

71, 57.355, 88.128

70, 63.862, 86.651

73, 49.733, 89.526

68, 68.547, 85.010

74, 41.520, 90.874

67, 71.012, 83.129

76, 33.040, 92.188

67, 71.235, 82.932

77, 24.481, 93.472

79, 15.944, 94.720

81, 7.485, 95.922

83, 0.871, 277.342

85, 9.115, 278.269

87, 17.243,
279.338

Harmonies

Complementary

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



71, 57.355, 88.128



45, 62.933, 290.950

Rectangle

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



71, 57.355, 88.128



71, 57.355, 138.128



71, 57.355, 268.128



71, 57.355, 318.128

Sweetspot

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



71, 57.355, 88.131



95, 21.034, 94.437



49, 59.175, 10.229



50, 14.258, 94.089



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 57.355, 88.131



84, 78.151, 85.846



78, 70.498, 115.436



42, 4.704, 95.872



54, 60.699, 83.287



11, 16.561, 87.098

Inverse Universe

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



45, 62.933, 290.950



47, 92.054, 295.768



39, 84.656, 305.812



40, 4.738, 278.189



25, 78.920, 300.215



3, 19.475, 285.188

Previews

White Background



This preview shows how the CIELCh color 71, 57.355, 88.128 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 71, 57.355, 88.128 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 71, 57.355, 88.128

Background



This preview shows how black text looks on a background with the CIELCh color 71, 57.355, 88.128.



This preview shows how white text looks on a background with the CIELCh color 71, 57.355, 88.128.

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

71, 57.355, 88.128

Protanopia

71, 56.719, 95.440

Deuteranopia

71, 57.869, 80.715



Tritanopia

71, 22.262, 4.632

Trichromacy



Original Color
71, 57.355, 88.128

Protanomaly
71, 56.772, 93.152

Deuteranomaly
71, 57.441, 83.454

Tritanomaly
71, 26.646, 59.358

Monochromacy



Original Color
71, 57.355, 88.128

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 21.384, 93.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 57.355, 88.128 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(206, 170, 64)` looks like.

```
.text, #text, p{  
    color:rgb(206, 170, 64)  
}
```

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(206, 170, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 170, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 57.355, 88.128 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(206, 170, 64) }
```

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

```
.border{ border-color:rgb(206, 170, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 170, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 170, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 170, 64);  
box-shadow:4px 4px 4px 4px rgb(206, 170,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 57.355, 88.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 170, 64) }
```

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

```
.background{ background-color: rgb(206,  
170, 64) }
```

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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