

Converting Colors

CIELCh(57, 48.953, 85.513)

Have a look what the booklet for
CIELCh(57, 48.953, 85.513) contains.

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Color

CIELCh(57, 48.946, 85.352)

Conversions

Conversions Part 1

Format	Color
Hex	A6842F
RGB	166, 132, 47
RGB Percent	65%, 52%, 18%
CMY	0.3478, 0.4813, 0.8146
CMYK	0.00, 0.20, 0.72, 0.35
HSL	43°, 56%, 42%
HSV	43°, 72%, 65%
XYZ	24.5954, 24.9227, 6.2323
YIQ	132.4760, 47.5490, -19.2270

Conversions

Conversions Part 2

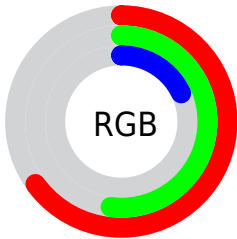
Format	Color
RYB	95, 166, 47
Decimal	10912815
CIELab	57.00, 3.97, 48.79
CIELCh	57, 48.946, 85.352
Yxy	24.9227, 0.4412, 0.4470
Android (android.graphics.Color)	4289102895 (0xFFA6842F)
YUV	132.4760, -42.1397, 29.4005
Hunter-Lab	49.9226, 0.5770, 27.5442

Details

The CIELCh color **57, 48.946, 85.352** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **37, 52.497, 289.515**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 48.956, 85.517**, and **37, 45.363, 84.844** is the 20% darker color. If you saturate the color by 10%, you get **56, 54.328, 83.780**, and if you desaturate by 10%, it is **58, 42.633, 86.808**.

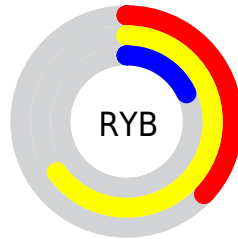
Distribution



Red (65%)

Green (52%)

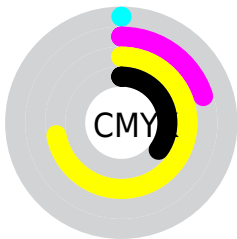
Blue (18%)



Red (37%)

Yellow (65%)

Blue (18%)

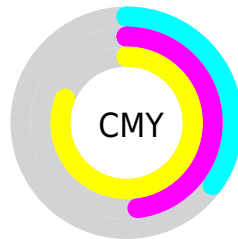


Cyan (0%)

Magenta (20%)

Yellow (72%)

Black (35%)



Cyan (35%)

Magenta (48%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 48.946, 85.352 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, 48.946, 85.352 by changing the saturation by 10% instead.

 57, 48.946, 85.352

 57, 48.946, 85.352

 100, 48.946,
85.352

 47, 48.946, 85.352

 77, 48.946, 85.352

 37, 48.946, 85.352

 87, 48.946, 85.352

 27, 48.946, 85.352

 97, 48.946, 85.352

 17, 48.946, 85.352

 7, 48.946, 85.352

 0, 48.946, 85.352

 57, 48.946, 85.352

 57, 48.946, 85.352

 56, 54.328, 83.780

 58, 42.633, 86.808

 54, 58.173, 81.982

 60, 35.839, 88.194

53, 60.336, 80.311

61, 28.841, 89.536

63, 21.798, 90.842

65, 14.794, 92.112

66, 7.873, 93.336

68, 1.055, 94.380

70, 5.654, 275.732

71, 12.254,
276.815

Harmonies

Complementary

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



57, 48.946, 85.352



37, 52.497, 289.515

Rectangle

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



57, 48.946, 85.352



57, 48.946, 135.352



57, 48.946, 265.352



57, 48.946, 315.352

Sweetspot

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



57, 48.946, 85.355



82, 17.863, 92.135



39, 51.385, 8.079



43, 12.211, 91.803



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



57, 48.946, 85.355



70, 69.270, 82.735



64, 60.799, 113.853



35, 3.879, 93.606



48, 55.391, 80.564



4, 6.532, 88.974

Inverse Universe

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



37, 52.497, 289.515



41, 79.926, 294.799



30, 73.987, 305.295



33, 3.897, 275.922



23, 68.761, 298.442



2, 7.365, 277.498

Previews

White Background



This preview shows how the CIELCh color 57, 48.946, 85.352 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, 48.946, 85.352 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, 48.946, 85.352

Background



This preview shows how black text looks on a background with the CIELCh color 57, 48.946, 85.352.



This preview shows how white text looks on a background with the CIELCh color 57, 48.946, 85.352.

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, 48.946, 85.352

Protanopia

57, 47.789, 95.486

Deuteranopia

57, 49.100, 81.345



Tritanopia
57, 20.169, 7.182

Trichromacy



Original Color
57, 48.946, 85.352

Protanomaly
57, 48.101, 91.506

Deuteranomaly
57, 48.877, 83.031

Tritanomaly
57, 24.050, 56.534

Monochromacy



Original Color
57, 48.946, 85.352

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 18.394, 91.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 48.946, 85.352 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(166, 132, 47)` looks like.

```
.text, #text, p{  
    color:rgb(166, 132, 47)  
}
```

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(166, 132, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 132, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 48.946, 85.352 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(166, 132, 47) }
```

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

```
.border{ border-color:rgb(166, 132, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 132, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 132, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 132, 47);  
box-shadow:4px 4px 4px 4px rgb(166, 132,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 48.946, 85.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 132, 47) }
```

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

```
.background{ background-color: rgb(166,  
132, 47) }
```

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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