

Converting Colors

CIELCh(67, 56.718, 85.103)

Have a look what the booklet for
CIELCh(67, 56.718, 85.103) contains.

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Color

CIELCh(67, 56.944, 85.614)

Conversions

Conversions Part 1

Format	Color
Hex	C69E37
RGB	198, 158, 55
RGB Percent	78%, 62%, 22%
CMY	0.2244, 0.3812, 0.7851
CMYK	0.00, 0.20, 0.72, 0.22
HSL	43°, 57%, 50%
HSV	43°, 72%, 78%
XYZ	36.1046, 36.6320, 8.7558
YIQ	158.2180, 56.9030, -23.5530

Conversions

Conversions Part 2

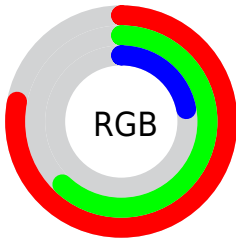
Format	Color
RYB	111, 198, 55
Decimal	13016631
CIELab	67.00, 4.35, 56.78
CIELCh	67, 56.944, 85.614
Yxy	36.6320, 0.4430, 0.4495
Android (android.graphics.Color)	4291206711 (0xFFC69E37)
YUV	158.2180, -50.8865, 34.8888
Hunter-Lab	60.5244, 0.5630, 33.7898

Details

The CIELCh color **67, 56.944, 85.614** 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 **43, 61.773, 290.413**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 56.330, 86.613**, and **47, 54.019, 85.177** is the 20% darker color. If you saturate the color by 10%, you get **65, 62.867, 84.013**, and if you desaturate by 10%, it is **69, 49.812, 87.090**.

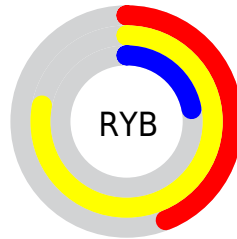
Distribution



Red (78%)

Green (62%)

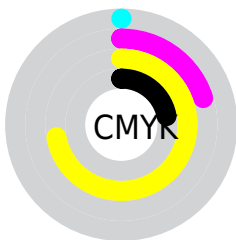
Blue (22%)



Red (44%)

Yellow (78%)

Blue (22%)

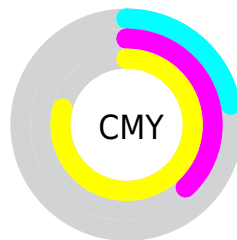


Cyan (0%)

Magenta (20%)

Yellow (72%)

Black (22%)



Cyan (22%)

Magenta (38%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 56.944, 85.614 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, 56.944, 85.614 by changing the saturation by 10% instead.

■ 67, 56.944, 85.614

■ 67, 56.944, 85.614

■ 100, 56.944,
85.614

■ 57, 56.944, 85.614

■ 87, 56.944, 85.614

■ 47, 56.944, 85.614

■ 97, 56.944, 85.614

■ 37, 56.944, 85.614

■ 27, 56.944, 85.614

■ 17, 56.944, 85.614

■ 7, 56.944, 85.614

■ 0, 56.944, 85.614

■ 67, 56.944, 85.614

■ 67, 56.944, 85.614

■ 65, 62.867, 84.013

■ 69, 49.812, 87.090

64, 66.858, 82.167

70, 42.038, 88.491

63, 68.664, 80.570

72, 33.978, 89.848

74, 25.837, 91.168

76, 17.725, 92.451

77, 9.700, 93.691

79, 1.789, 94.805

81, 5.999, 276.113

83, 13.663,
277.206

Harmonies

Complementary

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



67, 56.944, 85.614



43, 61.773, 290.413

Rectangle

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



67, 56.944, 85.614



67, 56.944, 135.614



67, 56.944, 265.614



67, 56.944, 315.614

Sweetspot

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



67, 56.944, 85.617



95, 21.499, 92.447



46, 59.519, 9.969



50, 14.473, 92.097



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, 56.944, 85.617



82, 79.368, 82.940



75, 70.486, 114.616



41, 4.484, 94.040



53, 59.594, 80.931



10, 14.692, 84.720

Inverse Universe

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



43, 61.773, 290.413



47, 93.311, 295.752



35, 85.934, 305.806



39, 4.506, 276.396



25, 75.204, 299.019



3, 17.422, 283.177

Previews

White Background



This preview shows how the CIELCh color 67, 56.944, 85.614 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 67, 56.944, 85.614 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, 56.944, 85.614

Background



This preview shows how black text looks on a background with the CIELCh color 67, 56.944, 85.614.



This preview shows how white text looks on a background with the CIELCh color 67, 56.944, 85.614.

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, 56.944, 85.614

Protanopia

67, 56.279, 95.497

Deuteranopia

67, 57.101, 81.292



Tritanopia
67, 23.219, 6.801

Trichromacy



Original Color
67, 56.944, 85.614

Protanomaly
67, 56.147, 92.176

Deuteranomaly
67, 56.876, 82.694

Tritanomaly
67, 27.780, 58.098

Monochromacy



Original Color
67, 56.944, 85.614

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 21.764, 92.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 56.944, 85.614 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(198, 158, 55)` looks like.

```
.text, #text, p{  
    color:rgb(198, 158, 55)  
}
```

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(198, 158, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 158, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 56.944, 85.614 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(198, 158, 55) }
```

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

```
.border{ border-color:rgb(198, 158, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 158, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 158, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 158, 55);  
box-shadow:4px 4px 4px 4px rgb(198, 158,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 56.944, 85.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 158, 55) }
```

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

```
.background{ background-color: rgb(198,  
158, 55) }
```

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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