

Converting Colors

CIELCh(68, 55.954, 74.029)

Have a look what the booklet for
CIELCh(68, 55.954, 74.029) contains.

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Color

CIELCh(68, 55.889, 73.543)

Conversions

Conversions Part 1

Format	Color
Hex	D99942
RGB	217, 153, 66
RGB Percent	85%, 60%, 26%
CMY	0.1486, 0.3996, 0.7408
CMYK	0.00, 0.29, 0.70, 0.15
HSL	35°, 67%, 56%
HSV	35°, 70%, 85%
XYZ	41.0361, 37.9720, 10.3337
YIQ	162.2180, 66.0710, -13.4890

Conversions

Conversions Part 2

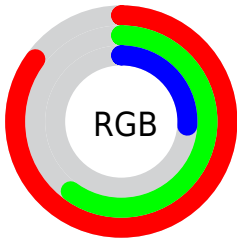
Format	Color
RYB	177, 217, 66
Decimal	14260546
CIELab	68.00, 15.83, 53.60
CIElCh	68, 55.889, 73.543
Yxy	37.9720, 0.4593, 0.4250
Android (android.graphics.Color)	4292450626 (0xFFD99942)
YUV	162.2180, -47.4355, 48.0438
Hunter-Lab	61.6215, 11.0325, 33.1923

Details

The CIELCh color **68, 55.889, 73.543** 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 **54, 51.204, 278.994**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 50.608, 82.440**, and **48, 56.012, 73.420** is the 20% darker color. If you saturate the color by 10%, you get **66, 63.477, 71.792**, and if you desaturate by 10%, it is **70, 47.623, 75.100**.

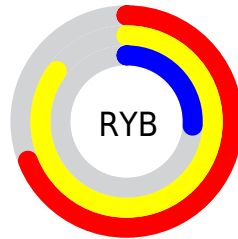
Distribution



Red (85%)

Green (60%)

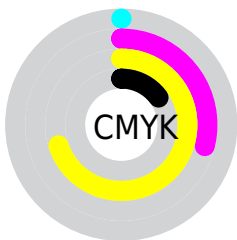
Blue (26%)



Red (69%)

Yellow (85%)

Blue (26%)

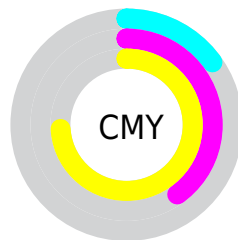


Cyan (0%)

Magenta (29%)

Yellow (70%)

Black (15%)



Cyan (15%)

Magenta (40%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 55.889, 73.543 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 68, 55.889, 73.543 by changing the saturation by 10% instead.

68, 55.889, 73.543

68, 55.889, 73.543

100, 55.889,
73.543

58, 55.889, 73.543

88, 55.889, 73.543

48, 55.889, 73.543

98, 55.889, 73.543

38, 55.889, 73.543

28, 55.889, 73.543

18, 55.889, 73.543

8, 55.889, 73.543

0, 55.889, 73.543

68, 55.889, 73.543

68, 55.889, 73.543

66, 63.477, 71.792

70, 47.623, 75.100

63, 69.571, 69.637

73, 39.177, 76.556

61, 73.570, 66.917

76, 30.809, 77.959

61, 73.740, 66.800

78, 22.643, 79.326

81, 14.727, 80.656

84, 7.072, 81.935

87, 0.330, 264.240

90, 7.496, 264.510

93, 11.571,
257.914

Harmonies

Complementary

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



68, 55.889, 73.543



54, 51.204, 278.994

Rectangle

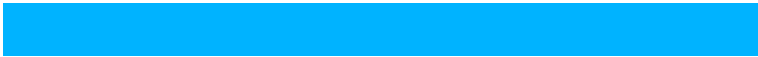
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 55.889, 73.543



68, 55.889, 123.543



68, 55.889, 253.543



68, 55.889, 303.543

Sweetspot

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



68, 55.888, 73.546



93, 18.067, 80.442



52, 63.538, 357.471



49, 12.288, 80.073



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 55.888, 73.546



75, 74.834, 70.952



84, 72.511, 107.337



45, 4.233, 81.950



50, 62.267, 67.385



12, 18.605, 68.621

Inverse Universe

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



54, 51.204, 278.994



57, 70.058, 284.484



39, 90.039, 302.774



44, 4.187, 264.501



34, 62.360, 290.472



6, 20.260, 280.206

Previews

White Background



This preview shows how the CIELCh color 68, 55.889, 73.543 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 68, 55.889, 73.543 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 68, 55.889, 73.543

Background



This preview shows how black text looks on a background with the CIELCh color 68, 55.889, 73.543.



This preview shows how white text looks on a background with the CIELCh color 68, 55.889, 73.543.

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

68, 55.889, 73.543

Protanopia

68, 51.123, 95.303

Deuteranopia

68, 54.563, 80.727



Tritanopia
68, 32.020, 12.062

Trichromacy



Original Color
68, 55.889, 73.543

Protanomaly
68, 51.589, 86.573

Deuteranomaly
68, 55.141, 77.862

Tritanomaly
68, 34.878, 43.787

Monochromacy



Original Color
68, 55.889, 73.543

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 20.146, 79.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 55.889, 73.543 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, 153, 66)` looks like.

```
.text, #text, p{  
    color:rgb(217, 153, 66)  
}
```

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, 153, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 153, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 55.889, 73.543 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, 153, 66) }
```

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

```
.border{ border-color:rgb(217, 153, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 153, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 153, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 153, 66);  
box-shadow:4px 4px 4px 4px rgb(217, 153,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 55.889, 73.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 153, 66) }
```

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

```
.background{ background-color: rgb(217,  
153, 66) }
```

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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