

Converting Colors

CIELCh(63, 57.166, 98.707)

Have a look what the booklet for
CIELCh(63, 57.166, 98.707) contains.

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Color

CIELCh(63, 57.194, 98.830)

Conversions

Conversions Part 1

Format	Color
Hex	A69B2B
RGB	166, 155, 43
RGB Percent	65%, 61%, 17%
CMY	0.3503, 0.3933, 0.8326
CMYK	0.00, 0.07, 0.74, 0.35
HSL	55°, 59%, 41%
HSV	55°, 74%, 65%
XYZ	27.7596, 31.5869, 6.8880
YIQ	145.5210, 42.5080, -32.5000

Conversions

Conversions Part 2

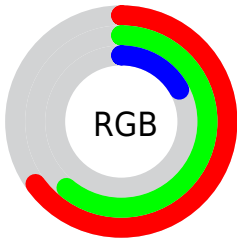
Format	Color
RYB	55, 166, 43
Decimal	10918699
CIELab	63.00, -8.78, 56.52
CIElCh	63, 57.194, 98.830
Yxy	31.5869, 0.4191, 0.4769
Android (android.graphics.Color)	4289108779 (0xFFA69B2B)
YUV	145.5210, -50.5429, 17.9601
Hunter-Lab	56.2022, -10.1886, 32.0751

Details

The CIELCh color **63, 57.194, 98.830** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **29, 70.607, 299.645**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 57.041, 98.722**, and **43, 50.218, 99.445** is the 20% darker color. If you saturate the color by 10%, you get **63, 61.898, 98.002**, and if you desaturate by 10%, it is **64, 51.074, 99.744**.

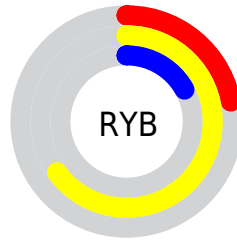
Distribution



Red (65%)

Green (61%)

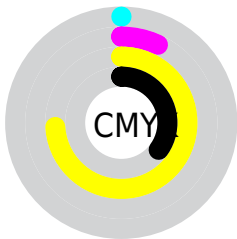
Blue (17%)



Red (22%)

Yellow (65%)

Blue (17%)

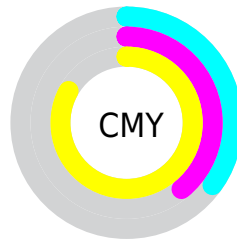


Cyan (0%)

Magenta (7%)

Yellow (74%)

Black (35%)



Cyan (35%)

Magenta (39%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 57.194, 98.830 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 63, 57.194, 98.830 by changing the saturation by 10% instead.

63, 57.194, 98.830

63, 57.194, 98.830

100, 57.194,
98.830

53, 57.194, 98.830

83, 57.194, 98.830

43, 57.194, 98.830

93, 57.194, 98.830

33, 57.194, 98.830

23, 57.194, 98.830

13, 57.194, 98.830

3, 57.194, 98.830

0, 57.194, 98.830

63, 57.194, 98.830

63, 57.194, 98.830

63, 61.898, 98.002

64, 51.074, 99.744

■ 62, 64.755, 97.256

■ 64, 43.999,
100.719

■ 62, 65.897, 96.851

■ 65, 36.332,
101.737

■ 65, 28.320,
102.778

■ 66, 20.121,
103.826

■ 67, 11.833,
104.865

■ 68, 3.517, 105.871

■ 68, 4.791, 286.911

■ 69, 13.067,
287.864

Harmonies

Complementary

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



63, 57.194, 98.830



29, 70.607, 299.645

Rectangle

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



63, 57.194, 98.830



63, 57.194, 148.830



63, 57.194, 278.830



63, 57.194, 328.830

Sweetspot

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



63, 57.194, 98.832



84, 22.516, 104.019



38, 55.380, 24.662



44, 15.094, 103.753



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 57.194, 98.832



79, 77.423, 97.518



63, 65.106, 122.604



34, 4.642, 105.374



55, 59.901, 96.921



5, 7.046, 105.028

Inverse Universe

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



29, 70.607, 299.645



31, 104.225, 303.460



31, 75.312, 309.940



32, 4.724, 287.328



17, 83.568, 304.840



1, 7.312, 286.717

Previews

White Background



This preview shows how the CIELCh color 63, 57.194, 98.830 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 63, 57.194, 98.830 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 63, 57.194, 98.830

Background



This preview shows how black text looks on a background with the CIELCh color 63, 57.194, 98.830.



This preview shows how white text looks on a background with the CIELCh color 63, 57.194, 98.830.

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


63, 57.194, 98.830

Protanopia

63, 57.217, 95.541

Deuteranopia

63, 56.261, 81.862



Tritanopia
63, 13.801, 351.869

Trichromacy



Original Color
63, 57.194, 98.830

Protanomaly
63, 57.390, 96.960

Deuteranomaly
63, 56.251, 88.278

Tritanomaly
63, 21.153, 79.175

Monochromacy



Original Color
63, 57.194, 98.830

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 22.852, 103.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 57.194, 98.830 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, 155, 43)` looks like.

```
.text, #text, p{  
    color:rgb(166, 155, 43)  
}
```

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, 155, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 155, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 57.194, 98.830 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, 155, 43) }
```

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

```
.border{ border-color:rgb(166, 155, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 155, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 155, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 155, 43);  
box-shadow:4px 4px 4px 4px rgb(166, 155,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 57.194, 98.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 155, 43) }
```

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

```
.background{ background-color: rgb(166,  
155, 43) }
```

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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