

Converting Colors

CIELCh(63, 43.997, 89.849)

Have a look what the booklet for
CIELCh(63, 43.997, 89.849) contains.

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Color

CIELCh(63, 43.997, 89.849)

Conversions

Conversions Part 1

Format	Color
Hex	B09648
RGB	176, 150, 72
RGB Percent	69%, 59%, 28%
CMY	0.3091, 0.4111, 0.7170
CMYK	0.00, 0.15, 0.59, 0.31
HSL	45°, 42%, 49%
HSV	45°, 59%, 69%
XYZ	30.0531, 31.5869, 10.6710
YIQ	148.8820, 40.5340, -18.7460

Conversions

Conversions Part 2

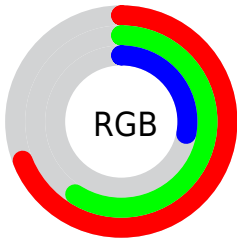
Format	Color
RYB	107, 176, 72
Decimal	11572808
CIELab	63.00, 0.12, 44.00
CIELCh	63, 43.997, 89.849
Yxy	31.5869, 0.4156, 0.4368
Android (android.graphics.Color)	4289762888 (0xFFB09648)
YUV	148.8820, -37.9028, 23.7825
Hunter-Lab	56.2022, -2.9044, 28.0843

Details

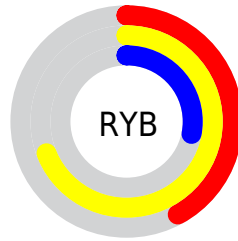
The CIELCh color **63, 43.997, 89.849** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **43, 46.919, 288.075**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 44.047, 89.788**, and **43, 44.320, 90.003** is the 20% darker color. If you saturate the color by 10%, you get **62, 50.754, 88.483**, and if you desaturate by 10%, it is **64, 36.737, 91.178**.

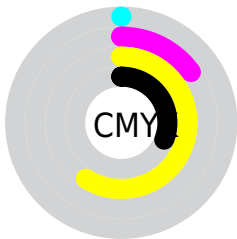
Distribution



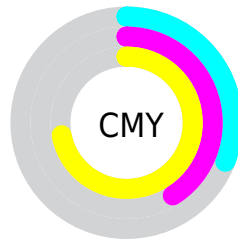
- Red (69%)
- Green (59%)
- Blue (28%)



- Red (42%)
- Yellow (69%)
- Blue (28%)



- Cyan (0%)
- Magenta (15%)
- Yellow (59%)
- Black (31%)



- Cyan (31%)
- Magenta (41%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 43.997, 89.849 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, 43.997, 89.849 by changing the saturation by 10% instead.

63, 43.997, 89.849

63, 43.997, 89.849

100, 43.997,
89.849

53, 43.997, 89.849

83, 43.997, 89.849

43, 43.997, 89.849

93, 43.997, 89.849

33, 43.997, 89.849

23, 43.997, 89.849

13, 43.997, 89.849

3, 43.997, 89.849

0, 43.997, 89.849

63, 43.997, 89.849

63, 43.997, 89.849

62, 50.754, 88.483

64, 36.737, 91.178

60, 56.568, 87.037

66, 29.249, 92.473

59, 60.837, 85.446

67, 21.691, 93.738

58, 63.316, 83.658

69, 14.151, 94.969

58, 63.545, 83.489

70, 6.675, 96.155

72, 0.712, 277.576

74, 8.003, 278.473

75, 15.195,
279.528

77, 22.290,
280.541

Harmonies

Complementary

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



63, 43.997, 89.849



43, 46.919, 288.075

Rectangle

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



63, 43.997, 89.849



63, 43.997, 139.849



63, 43.997, 269.849



63, 43.997, 319.849

Sweetspot

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



63, 43.997, 89.852



88, 16.578, 95.057



45, 45.340, 7.125



46, 11.526, 94.711



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 43.997, 89.852



78, 64.270, 88.032



68, 54.797, 115.749



37, 4.227, 96.122



51, 57.320, 83.740



6, 9.241, 90.226

Inverse Universe

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



43, 46.919, 288.075



49, 71.381, 291.915



38, 63.481, 304.631



35, 4.259, 278.393



23, 74.267, 300.153



2, 10.866, 280.817

Previews

White Background



This preview shows how the CIELCh color 63, 43.997, 89.849 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, 43.997, 89.849 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, 43.997, 89.849

Background



This preview shows how black text looks on a background with the CIELCh color 63, 43.997, 89.849.



This preview shows how white text looks on a background with the CIELCh color 63, 43.997, 89.849.

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, 43.997, 89.849

Protanopia

63, 43.745, 95.879

Deuteranopia

63, 44.492, 79.445



Tritanopia
63, 17.643, 1.029

Trichromacy



Original Color
63, 43.997, 89.849

Protanomaly
63, 43.676, 93.460

Deuteranomaly
63, 44.063, 83.070

Tritanomaly
63, 19.740, 56.519

Monochromacy



Original Color
63, 43.997, 89.849

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 16.171, 93.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 43.997, 89.849 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(176, 150, 72)` looks like.

```
.text, #text, p{  
    color:rgb(176, 150, 72)  
}
```

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(176, 150, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 150, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 43.997, 89.849 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(176, 150, 72) }
```

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

```
.border{ border-color:rgb(176, 150, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 150, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 150, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 150, 72);  
box-shadow:4px 4px 4px 4px rgb(176, 150,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 43.997, 89.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 150, 72) }
```

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

```
.background{ background-color: rgb(176,  
150, 72) }
```

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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