

Converting Colors

CIELCh(58, 63.631, 83.648)

Have a look what the booklet for
CIELCh(58, 63.631, 83.648) contains.

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Color

CIELCh(58, 63.614, 84.009)

Conversions

Conversions Part 1

Format	Color
Hex	B08500
RGB	176, 133, 0
RGB Percent	69%, 52%, 0%
CMY	0.3103, 0.4788, 1.0000
CMYK	0.00, 0.24, 1.00, 0.31
HSL	45°, 100%, 34%
HSV	45°, 100%, 69%
XYZ	26.2483, 25.9610, 3.6216
YIQ	130.6950, 68.3210, -32.2470

Conversions

Conversions Part 2

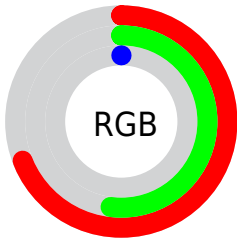
Format	Color
R_{YB}	57, 176, 0
Decimal	11568384
CIE _{Lab}	58.00, 6.64, 63.27
CIE _{LCh}	58, 63.614, 84.009
Yxy	25.9610, 0.4701, 0.4650
Android (android.graphics.Color)	4289758464 (0xFFB08500)
YUV	130.6950, -64.4326, 39.7325
Hunter-Lab	50.9519, 2.7900, 31.4521

Details

The CIELCh color **58, 63.614, 84.009** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **26, 83.793, 300.726**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 63.769, 84.126**, and **38, 47.086, 80.922** is the 20% darker color. If you saturate the color by 10%, you get **58, 63.580, 84.006**, and if you desaturate by 10%, it is **59, 61.205, 85.762**.

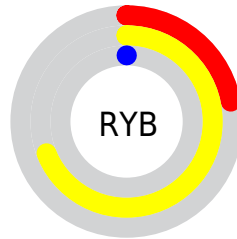
Distribution



Red (69%)

Green (52%)

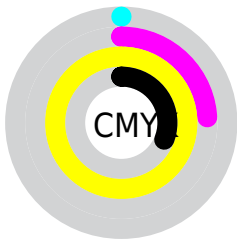
Blue (0%)



Red (22%)

Yellow (69%)

Blue (0%)

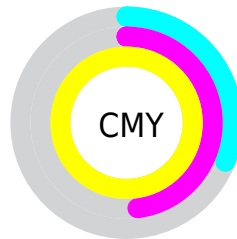


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 63.614, 84.009 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 58, 63.614, 84.009 by changing the saturation by 10% instead.

■ 58, 63.614, 84.009

■ 58, 63.614, 84.009

■ 100, 63.614,
84.009

■ 48, 63.614, 84.009

■ 78, 63.614, 84.009

■ 38, 63.614, 84.009

■ 88, 63.614, 84.009

■ 28, 63.614, 84.009

■ 98, 63.614, 84.009

■ 18, 63.614, 84.009

■ 8, 63.614, 84.009

■ 0, 63.614, 84.009

■ 58, 63.614, 84.009

■ 58, 63.614, 84.009

■ 58, 63.580, 84.006

■ 59, 61.205, 85.762

■ 60, 57.145, 87.344

62, 51.471, 88.781

63, 44.791, 90.143

64, 37.564, 91.462

66, 30.077, 92.751

67, 22.503, 94.012

69, 14.934, 95.241

70, 7.422, 96.427

Harmonies

Complementary

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



58, 63.614, 84.009



26, 83.793, 300.726

Rectangle

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



58, 63.614, 84.009



58, 63.614, 134.009



58, 63.614, 264.009



58, 63.614, 314.009

Sweetspot

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



58, 63.580, 84.006



85, 27.944, 93.947



37, 68.061, 25.249



44, 19.069, 93.431



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



58, 63.580, 84.006



74, 77.470, 83.617



66, 76.222, 117.327



36, 4.151, 96.508



50, 56.731, 84.278



5, 8.024, 91.689

Inverse Universe

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



26, 83.793, 300.726



35, 103.942, 301.243



23, 99.029, 307.764



34, 4.184, 278.760



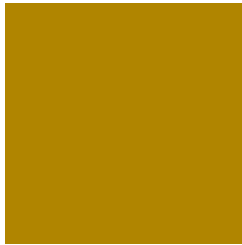
22, 73.799, 300.345



2, 9.197, 280.445

Previews

White Background



This preview shows how the CIE LCh color 58, 63.614, 84.009 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 58, 63.614, 84.009 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 58, 63.614, 84.009

Background



This preview shows how black text looks on a background with the CIELCh color 58, 63.614, 84.009.



This preview shows how white text looks on a background with the CIELCh color 58, 63.614, 84.009.

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

58, 63.614, 84.009

Protanopia

58, 61.222, 95.028

Deuteranopia

58, 62.866, 82.947



Tritanopia
58, 24.221, 10.223

Trichromacy



Original Color
58, 63.614, 84.009

Protanomaly
58, 61.674, 90.503

Deuteranomaly
58, 63.188, 83.008

Tritanomaly
58, 34.630, 63.090

Monochromacy



Original Color
58, 63.614, 84.009

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 28.528, 93.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 63.614, 84.009 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, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 133, 0)  
}
```

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, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 133, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 63.614, 84.009 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, 133, 0) }
```

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

```
.border{ border-color:rgb(176, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 133,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 63.614, 84.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 133, 0) }
```

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

```
.background{ background-color: rgb(176,  
133, 0) }
```

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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