

Converting Colors

CIELCh(52, 57.949, 99.000)

Have a look what the booklet for
CIELCh(52, 57.949, 99.000) contains.

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Color

CIELCh(52, 57.642, 98.545)

Conversions

Conversions Part 1

Format	Color
Hex	877E00
RGB	135, 126, 0
RGB Percent	53%, 49%, 0%
CMY	0.4697, 0.5051, 0.9986
CMYK	0.00, 0.07, 1.00, 0.47
HSL	56°, 99%, 27%
HSV	56°, 100%, 53%
XYZ	17.5167, 20.1443, 2.9751
YIQ	114.3270, 45.8100, -37.2780

Conversions

Conversions Part 2

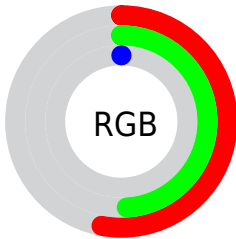
Format	Color
R_YB	10, 135, 0
Decimal	8879616
CIE Lab	52.00, -8.56, 57.00
CIE LCh	52, 57.642, 98.545
Yxy	20.1443, 0.4311, 0.4957
Android (android.graphics.Color)	4287069696 (0xFF877E00)
YUV	114.3270, -56.3632, 18.1302
Hunter-Lab	44.8824, -8.8794, 27.4875

Details

The CIELCh color **52, 57.642, 98.545** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15, 79.963, 305.096**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 57.523, 98.268**, and **32, 40.776, 99.908** is the 20% darker color. If you saturate the color by 10%, you get **52, 57.704, 98.532**, and if you desaturate by 10%, it is **52, 55.369, 99.143**.

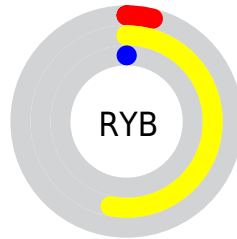
Distribution



Red (53%)

Green (49%)

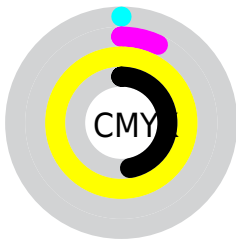
Blue (0%)



Red (4%)

Yellow (53%)

Blue (0%)

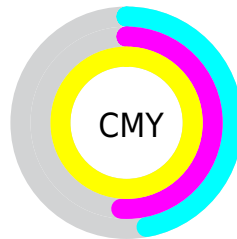


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 57.642, 98.545 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 52, 57.642, 98.545 by changing the saturation by 10% instead.

 52, 57.642, 98.545

 52, 57.642, 98.545

 100, 57.642,
98.545

 42, 57.642, 98.545

 72, 57.642, 98.545

 32, 57.642, 98.545

 82, 57.642, 98.545

 22, 57.642, 98.545

 92, 57.642, 98.545

 12, 57.642, 98.545

 2, 57.642, 98.545

 0, 57.642, 98.545

 52, 57.642, 98.545

 52, 57.642, 98.545

 52, 57.704, 98.532

 52, 55.369, 99.143

 53, 51.970, 99.824

■ 53, 47.216,
100.612

■ 53, 41.483,
101.487

■ 54, 35.107,
102.425

■ 54, 28.333,
103.404

■ 55, 21.328,
104.403

■ 55, 14.197,
105.405

■ 56, 7.007, 106.396

Harmonies

Complementary

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



52, 57.642, 98.545



15, 79.963, 305.096

Rectangle

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



52, 57.642, 98.545



52, 57.642, 148.545



52, 57.642, 278.545



52, 57.642, 328.545

Sweetspot

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



52, 57.641, 98.547



70, 26.671, 104.309



27, 61.446, 35.327



36, 18.305, 103.941



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 57.641, 98.547



66, 69.920, 98.429



51, 65.929, 124.579



29, 4.123, 106.451



51, 56.896, 98.540



1, 1.920, 107.354

Inverse Universe

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



15, 79.963, 305.096



22, 98.217, 305.432



18, 78.893, 310.449



27, 4.199, 288.317



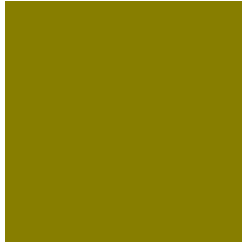
15, 78.895, 305.099



0, 1.920, 287.357

Previews

White Background



This preview shows how the CIELCh color 52, 57.642, 98.545 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 CIE LCh color 52, 57.642, 98.545 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 52, 57.642, 98.545

Background



This preview shows how black text looks on a background with the CIELCh color 52, 57.642, 98.545.



This preview shows how white text looks on a background with the CIELCh color 52, 57.642, 98.545.

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

52, 57.642, 98.545

Protanopia

52, 57.383, 95.102

Deuteranopia

52, 55.050, 83.145



Tritanopia
52, 11.756, 354.557

Trichromacy



Original Color
52, 57.642, 98.545

Protanomaly
52, 57.511, 96.591

Deuteranomaly
52, 55.569, 88.956

Tritanomaly
51, 24.887, 85.688

Monochromacy



Original Color
52, 57.642, 98.545

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 26.459, 103.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 57.642, 98.545 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(135, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 126, 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(135, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 126, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 57.642, 98.545 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(135, 126, 0) }
```

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

```
.border{ border-color:rgb(135, 126, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 126,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 57.642, 98.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 126, 0) }
```

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

```
.background{ background-color: rgb(135,  
126, 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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