

Converting Colors

CIELCh(51, 57.597, 85.229)

Have a look what the booklet for
CIELCh(51, 57.597, 85.229) contains.

CIELCh(51, 57.303, 84.928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 57.303, 84.928)

Conversions

Conversions Part 1

Format	Color
Hex	987400
RGB	152, 116, 0
RGB Percent	60%, 45%, 0%
CMY	0.4026, 0.5439, 0.9981
CMYK	0.00, 0.24, 1.00, 0.40
HSL	46°, 99%, 30%
HSV	46°, 100%, 60%
XYZ	19.2951, 19.2686, 2.7163
YIQ	113.5400, 58.6920, -28.4440

Conversions

Conversions Part 2

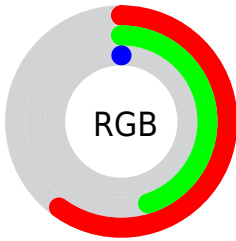
Format	Color
R_{YB}	47, 152, 0
Decimal	9991168
CIE Lab	51.00, 5.07, 57.08
CIE LCh	51, 57.303, 84.928
Yxy	19.2686, 0.4674, 0.4668
Android (android.graphics.Color)	4288181248 (0xFF987400)
YUV	113.5400, -55.9752, 33.7294
Hunter-Lab	43.8960, 1.6439, 27.0584

Details

The CIELCh color **51, 57.303, 84.928** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **22, 74.981, 300.581**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 57.112, 85.258**, and **31, 40.717, 81.223** is the 20% darker color. If you saturate the color by 10%, you get **51, 57.386, 84.879**, and if you desaturate by 10%, it is **52, 54.844, 86.566**.

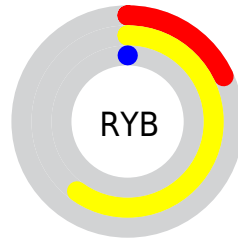
Distribution



Red (60%)

Green (45%)

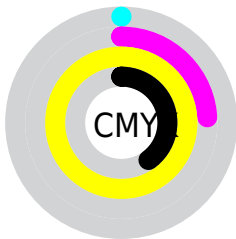
Blue (0%)



Red (18%)

Yellow (60%)

Blue (0%)

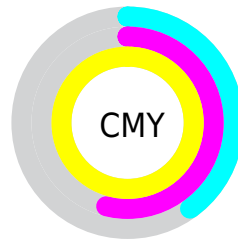


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 57.303, 84.928 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 51, 57.303, 84.928 by changing the saturation by 10% instead.

■ 51, 57.303, 84.928

■ 51, 57.303, 84.928

■ 100, 57.303,
84.928

■ 41, 57.303, 84.928

■ 71, 57.303, 84.928

■ 31, 57.303, 84.928

■ 81, 57.303, 84.928

■ 21, 57.303, 84.928

■ 91, 57.303, 84.928

■ 11, 57.303, 84.928

■ 1, 57.303, 84.928

■ 0, 57.303, 84.928

■ 51, 57.303, 84.928

■ 51, 57.303, 84.928

■ 51, 57.386, 84.879

■ 52, 54.844, 86.566

■ 53, 51.041, 88.074

■ 54, 45.875, 89.462

■ 55, 39.864, 90.787

■ 56, 33.390, 92.076

■ 58, 26.696, 93.339

■ 59, 19.924, 94.576

■ 60, 13.154, 95.781

■ 62, 6.431, 96.944

Harmonies

Complementary

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



51, 57.303, 84.928



22, 74.981, 300.581

Rectangle

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



51, 57.303, 84.928



51, 57.303, 134.928



51, 57.303, 264.928



51, 57.303, 314.928

Sweetspot

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



51, 57.302, 84.931



75, 25.039, 94.462



31, 60.792, 24.382



39, 17.056, 93.988



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



51, 57.302, 84.931



65, 69.793, 84.455



58, 68.426, 117.161



32, 3.769, 96.995



47, 54.057, 85.031



3, 4.011, 97.220

Inverse Universe

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



22, 74.981, 300.581



30, 93.392, 301.256



19, 88.787, 307.841



30, 3.801, 279.193



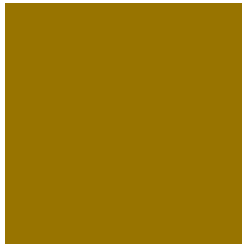
20, 70.324, 300.440



1, 4.085, 278.327

Previews

White Background



This preview shows how the CIELCh color 51, 57.303, 84.928 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 51, 57.303, 84.928 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 51, 57.303, 84.928

Background



This preview shows how black text looks on a background with the CIELCh color 51, 57.303, 84.928.



This preview shows how white text looks on a background with the CIELCh color 51, 57.303, 84.928.

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

51, 57.303, 84.928

Protanopia

51, 55.111, 95.473

Deuteranopia

51, 56.478, 83.795



Tritanopia
51, 21.417, 9.772

Trichromacy



Original Color
51, 57.303, 84.928

Protanomaly
51, 55.745, 91.394

Deuteranomaly
51, 56.684, 84.327

Tritanomaly
51, 30.652, 64.094

Monochromacy



Original Color
51, 57.303, 84.928

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 25.097, 93.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 57.303, 84.928 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(152, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 116, 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(152, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 116, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 57.303, 84.928 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(152, 116, 0) }
```

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

```
.border{ border-color:rgb(152, 116, 0) }
```

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

Here you see how a box with a 4 pixel rgb(152, 116, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 116,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 57.303, 84.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 116, 0) }
```

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

```
.background{ background-color: rgb(152,  
116, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor