

Converting Colors

CIELCh(51, 56.826, 85.785)

Have a look what the booklet for
CIELCh(51, 56.826, 85.785) contains.

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Color

CIELCh(51, 56.878, 85.905)

Conversions

Conversions Part 1

Format	Color
Hex	977502
RGB	151, 117, 2
RGB Percent	59%, 46%, 1%
CMY	0.4083, 0.5416, 0.9929
CMYK	0.00, 0.23, 0.99, 0.41
HSL	46°, 98%, 30%
HSV	46°, 99%, 59%
XYZ	19.0979, 19.2686, 2.7648
YIQ	114.0560, 57.1790, -28.5570

Conversions

Conversions Part 2

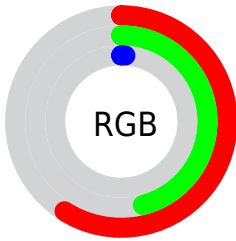
Format	Color
RYB	46, 151, 2
Decimal	9925890
CIELab	51.00, 4.06, 56.73
CIELCh	51, 56.878, 85.905
Yxy	19.2686, 0.4643, 0.4685
Android (android.graphics.Color)	4288115970 (0xFF977502)
YUV	114.0560, -55.2436, 32.3999
Hunter-Lab	43.8960, 0.8421, 26.9929

Details

The CIELCh color **51, 56.878, 85.905** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **22, 74.610, 300.709**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 56.754, 86.150**, and **31, 40.614, 82.812** is the 20% darker color. If you saturate the color by 10%, you get **51, 57.181, 85.723**, and if you desaturate by 10%, it is **52, 54.408, 87.482**.

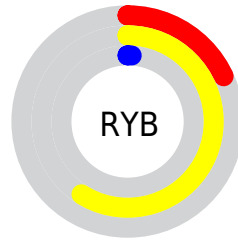
Distribution



Red (59%)

Green (46%)

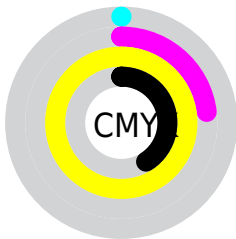
Blue (1%)



Red (18%)

Yellow (59%)

Blue (1%)

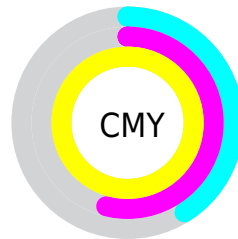


Cyan (0%)

Magenta (23%)

Yellow (99%)

Black (41%)



Cyan (41%)

Magenta (54%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 56.878, 85.905 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, 56.878, 85.905 by changing the saturation by 10% instead.

■ 51, 56.878, 85.905

■ 51, 56.878, 85.905

■ 100, 56.878,
85.905

■ 41, 56.878, 85.905

■ 71, 56.878, 85.905

■ 31, 56.878, 85.905

■ 81, 56.878, 85.905

■ 21, 56.878, 85.905

■ 91, 56.878, 85.905

■ 11, 56.878, 85.905

■ 1, 56.878, 85.905

■ 0, 56.878, 85.905

■ 51, 56.878, 85.905

■ 51, 56.878, 85.905

■ 51, 57.181, 85.723

■ 52, 54.408, 87.482

■ 53, 50.511, 88.932

■ 54, 45.299, 90.281

■ 55, 39.273, 91.580

■ 56, 32.800, 92.849

■ 57, 26.111, 94.095

■ 59, 19.344, 95.317

■ 60, 12.577, 96.509

■ 61, 5.852, 97.658

Harmonies

Complementary

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



51, 56.878, 85.905



22, 74.610, 300.709

Rectangle

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



51, 56.878, 85.905



51, 56.878, 135.905



51, 56.878, 265.905



51, 56.878, 315.905

Sweetspot

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



51, 56.877, 85.908



74, 24.996, 95.098



31, 60.533, 25.301



39, 17.204, 94.625



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, 56.877, 85.908



65, 69.363, 85.320



58, 68.008, 117.938



32, 3.806, 97.608



47, 54.244, 85.851



3, 4.051, 97.831

Inverse Universe

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



22, 74.610, 300.709



29, 93.477, 301.583



19, 87.435, 308.005



30, 3.841, 279.789



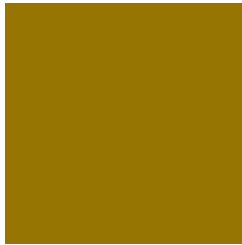
20, 71.158, 300.813



1, 4.126, 278.916

Previews

White Background



This preview shows how the CIELCh color 51, 56.878, 85.905 looks on a white background.

Color Contrast Check

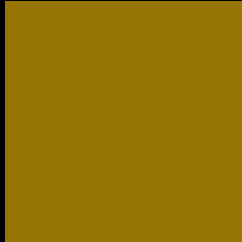
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.878, 85.905 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, 56.878, 85.905

Background



This preview shows how black text looks on a background with the CIELCh color 51, 56.878, 85.905.



This preview shows how white text looks on a background with the CIELCh color 51, 56.878, 85.905.

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, 56.878, 85.905

Protanopia

51, 55.111, 95.473

Deuteranopia

51, 55.967, 83.118



Tritanopia
51, 20.551, 9.107

Trichromacy



Original Color
51, 56.878, 85.905

Protanomaly
51, 55.443, 91.871

Deuteranomaly
51, 56.296, 84.254

Tritanomaly
51, 29.910, 65.341

Monochromacy



Original Color
51, 56.878, 85.905

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 24.982, 94.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 56.878, 85.905 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(151, 117, 2)` looks like.

```
.text, #text, p{  
    color:rgb(151, 117, 2)  
}
```

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(151, 117, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 117, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 56.878, 85.905 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(151, 117, 2) }
```

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

```
.border{ border-color:rgb(151, 117, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 117, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 117, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 117, 2);  
box-shadow:4px 4px 4px 4px rgb(151, 117,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 56.878, 85.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 117, 2) }
```

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

```
.background{ background-color: rgb(151,  
117, 2) }
```

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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