

Converting Colors

CIELCh(59, 51.895, 81.411)

Have a look what the booklet for
CIELCh(59, 51.895, 81.411) contains.

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Color

CIELCh(59, 51.876, 81.473)

Conversions

Conversions Part 1

Format	Color
Hex	B2872F
RGB	178, 135, 47
RGB Percent	70%, 53%, 18%
CMY	0.3016, 0.4703, 0.8154
CMYK	0.00, 0.24, 0.74, 0.30
HSL	40°, 58%, 44%
HSV	40°, 74%, 70%
XYZ	27.5668, 27.0277, 6.4608
YIQ	137.8250, 53.8760, -18.2520

Conversions

Conversions Part 2

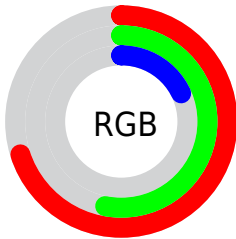
Format	Color
R_{YB}	111, 178, 47
Decimal	11700015
CIE Lab	59.00, 7.69, 51.30
CIE LCh	59, 51.876, 81.473
Yxy	27.0277, 0.4515, 0.4427
Android (android.graphics.Color)	4289890095 (0xFFB2872F)
YUV	137.8250, -44.7767, 35.2335
Hunter-Lab	51.9882, 3.6703, 29.0236

Details

The CIELCh color **59, 51.876, 81.473** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **40, 53.691, 287.546**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 52.055, 81.553**, and **39, 47.920, 80.754** is the 20% darker color. If you saturate the color by 10%, you get **57, 57.437, 79.735**, and if you desaturate by 10%, it is **61, 45.293, 83.034**.

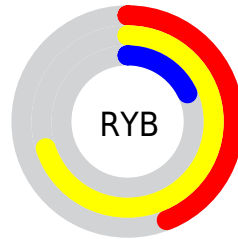
Distribution



Red (70%)

Green (53%)

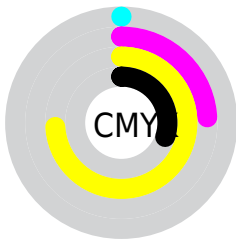
Blue (18%)



Red (44%)

Yellow (70%)

Blue (18%)

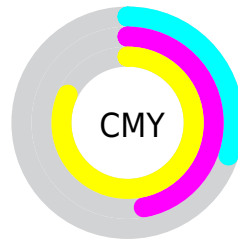


Cyan (0%)

Magenta (24%)

Yellow (74%)

Black (30%)



Cyan (30%)

Magenta (47%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 51.876, 81.473 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 59, 51.876, 81.473 by changing the saturation by 10% instead.

■ 59, 51.876, 81.473

■ 59, 51.876, 81.473

■ 100, 51.876,
81.473

■ 49, 51.876, 81.473

■ 79, 51.876, 81.473

■ 39, 51.876, 81.473

■ 89, 51.876, 81.473

■ 29, 51.876, 81.473

■ 99, 51.876, 81.473

■ 19, 51.876, 81.473

■ 9, 51.876, 81.473

■ 0, 51.876, 81.473

■ 59, 51.876, 81.473

■ 59, 51.876, 81.473

■ 57, 57.437, 79.735

■ 61, 45.293, 83.034

■ 56, 61.283, 77.660

■ 62, 38.209, 84.492

55, 63.068, 76.203

64, 30.939, 85.892

66, 23.658, 87.248

68, 16.455, 88.565

70, 9.375, 89.836

72, 2.433, 91.008

74, 4.368, 272.340

76, 11.032,
273.453

Harmonies

Complementary

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



59, 51.876, 81.473



40, 53.691, 287.546

Rectangle

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



59, 51.876, 81.473



59, 51.876, 131.473



59, 51.876, 261.473



59, 51.876, 311.473

Sweetspot

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



59, 51.876, 81.476



87, 19.028, 88.718



42, 55.490, 6.186



46, 12.923, 88.372



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



59, 51.876, 81.476



72, 73.117, 78.552



69, 65.139, 112.207



37, 3.903, 90.356



48, 56.408, 76.568



6, 8.463, 82.097

Inverse Universe

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



40, 53.691, 287.546



45, 81.162, 293.170



31, 80.563, 304.952



35, 3.904, 272.758



26, 66.313, 296.340



2, 10.177, 277.000

Previews

White Background



This preview shows how the CIELCh color 59, 51.876, 81.473 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 59, 51.876, 81.473 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 59, 51.876, 81.473

Background



This preview shows how black text looks on a background with the CIELCh color 59, 51.876, 81.473.



This preview shows how white text looks on a background with the CIELCh color 59, 51.876, 81.473.

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

59, 51.876, 81.473

Protanopia

59, 50.315, 95.870

Deuteranopia

59, 51.876, 81.473



Tritanopia
59, 24.207, 8.862

Trichromacy



Original Color
59, 51.876, 81.473

Protanomaly
59, 50.543, 90.466

Deuteranomaly
59, 51.876, 81.473

Tritanomaly
59, 27.758, 51.383

Monochromacy



Original Color
59, 51.876, 81.473

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 19.409, 87.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 51.876, 81.473 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(178, 135, 47)` looks like.

```
.text, #text, p{  
  color:rgb(178, 135, 47)  
}
```

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(178, 135, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 135, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 51.876, 81.473 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(178, 135, 47) }
```

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

```
.border{ border-color:rgb(178, 135, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 135, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 135, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 135, 47);  
box-shadow:4px 4px 4px 4px rgb(178, 135,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 51.876, 81.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 135, 47) }
```

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

```
.background{ background-color: rgb(178,  
135, 47) }
```

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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