

Converting Colors

CIELCh(59, 49.086, 78.178)

Have a look what the booklet for
CIELCh(59, 49.086, 78.178) contains.

CIELCh(59, 49.046, 78.236)	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(59, 49.046, 78.236)

Conversions

Conversions Part 1

Format	Color
Hex	B58637
RGB	181, 134, 55
RGB Percent	71%, 53%, 22%
CMY	0.2915, 0.4756, 0.7854
CMYK	0.00, 0.26, 0.70, 0.29
HSL	38°, 54%, 46%
HSV	38°, 70%, 71%
XYZ	28.1474, 27.0277, 7.3123
YIQ	139.0470, 53.3710, -14.6050

Conversions

Conversions Part 2

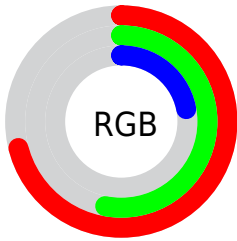
Format	Color
R_{YB}	130, 181, 55
Decimal	11896375
CIE _{Lab}	59.00, 10.00, 48.02
CIE _{LCh}	59, 49.046, 78.236
Yxy	27.0277, 0.4504, 0.4325
Android (android.graphics.Color)	4290086455 (0xFFB58637)
YUV	139.0470, -41.4352, 36.7928
Hunter-Lab	51.9882, 5.6639, 28.0524

Details

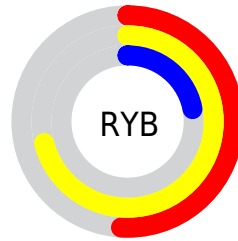
The CIELCh color **59, 49.046, 78.236** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **44, 47.868, 283.017**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 48.895, 78.191**, and **39, 48.539, 78.406** is the 20% darker color. If you saturate the color by 10%, you get **57, 55.352, 76.522**, and if you desaturate by 10%, it is **61, 42.055, 79.786**.

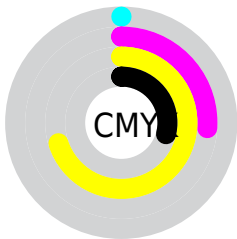
Distribution



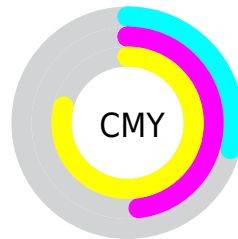
- Red (71%)
- Green (53%)
- Blue (22%)



- Red (51%)
- Yellow (71%)
- Blue (22%)



- Cyan (0%)
- Magenta (26%)
- Yellow (70%)
- Black (29%)



- Cyan (29%)
- Magenta (48%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 49.046, 78.236 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, 49.046, 78.236 by changing the saturation by 10% instead.

■ 59, 49.046, 78.236

■ 59, 49.046, 78.236

■ 100, 49.046,
78.236

■ 49, 49.046, 78.236

■ 79, 49.046, 78.236

■ 39, 49.046, 78.236

■ 89, 49.046, 78.236

■ 29, 49.046, 78.236

■ 99, 49.046, 78.236

■ 19, 49.046, 78.236

■ 9, 49.046, 78.236

■ 0, 49.046, 78.236

■ 59, 49.046, 78.236

■ 59, 49.046, 78.236

■ 57, 55.352, 76.522

■ 61, 42.055, 79.786

■ 55, 60.309, 74.480

■ 63, 34.805, 81.243

54, 63.638, 72.048

65, 27.531, 82.645

54, 63.736, 71.982

67, 20.354, 84.005

69, 13.330, 85.325

71, 6.479, 86.592

74, 0.197, 269.144

76, 6.704, 269.108

78, 13.054,
270.238

Harmonies

Complementary

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



59, 49.046, 78.236



44, 47.868, 283.017

Rectangle

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



59, 49.046, 78.236



59, 49.046, 128.236



59, 49.046, 258.236



59, 49.046, 308.236

Sweetspot

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



59, 49.046, 78.239



87, 17.596, 85.112



43, 54.291, 1.079



45, 11.942, 84.756



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, 49.046, 78.239



72, 71.008, 75.411



70, 62.995, 109.859



37, 3.738, 86.641



46, 56.364, 72.431



5, 8.129, 77.201

Inverse Universe

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



44, 47.868, 283.017



49, 72.346, 288.716



33, 77.470, 303.516



35, 3.722, 269.098



27, 61.623, 293.651



3, 9.806, 274.592

Previews

White Background



This preview shows how the CIELCh color 59, 49.046, 78.236 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, 49.046, 78.236 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, 49.046, 78.236

Background



This preview shows how black text looks on a background with the CIELCh color 59, 49.046, 78.236.



This preview shows how white text looks on a background with the CIELCh color 59, 49.046, 78.236.

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, 49.046, 78.236

Protanopia

59, 46.815, 95.696

Deuteranopia

59, 48.735, 81.012



Tritanopia
59, 25.454, 9.701

Trichromacy



Original Color
59, 49.046, 78.236

Protanomaly
59, 47.220, 89.388

Deuteranomaly
59, 48.952, 80.525

Tritanomaly
59, 27.992, 47.464

Monochromacy



Original Color
59, 49.046, 78.236

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 18.004, 84.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 49.046, 78.236 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(181, 134, 55)` looks like.

```
.text, #text, p{  
    color:rgb(181, 134, 55)  
}
```

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(181, 134, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 134, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 49.046, 78.236 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(181, 134, 55) }
```

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

```
.border{ border-color:rgb(181, 134, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 134, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 134, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 134, 55);  
box-shadow:4px 4px 4px 4px rgb(181, 134,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 49.046, 78.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 134, 55) }
```

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

```
.background{ background-color: rgb(181,  
134, 55) }
```

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