

Converting Colors

CIELCh(49, 59.262, 65.662)

Have a look what the booklet for
CIELCh(49, 59.262, 65.662) contains.

CIELCh(49, 59.197, 65.455)	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(49, 59.197, 65.455)

Conversions

Conversions Part 1

Format	Color
Hex	AC620E
RGB	172, 98, 14
RGB Percent	67%, 38%, 5%
CMY	0.3247, 0.6150, 0.9441
CMYK	0.00, 0.43, 0.92, 0.32
HSL	32°, 85%, 37%
HSV	32°, 92%, 68%
XYZ	21.5237, 17.5941, 2.6861
YIQ	110.5500, 71.0680, -10.4360

Conversions

Conversions Part 2

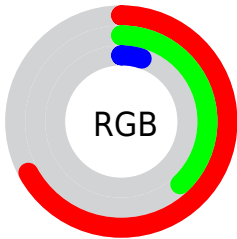
Format	Color
RYB	153, 172, 14
Decimal	11297294
CIELab	49.00, 24.59, 53.85
CIELCh	49, 59.197, 65.455
Yxy	17.5941, 0.5149, 0.4209
Android (android.graphics.Color)	4289487374 (0xFFAC620E)
YUV	110.5500, -47.5991, 53.8917
Hunter-Lab	41.9453, 18.1907, 25.5649

Details

The CIELCh color **49, 59.197, 65.455** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **38, 52.055, 283.278**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 59.276, 65.222**, and **29, 47.528, 57.328** is the 20% darker color. If you saturate the color by 10%, you get **47, 62.718, 63.440**, and if you desaturate by 10%, it is **51, 53.857, 67.577**.

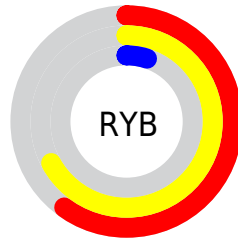
Distribution



Red (67%)

Green (38%)

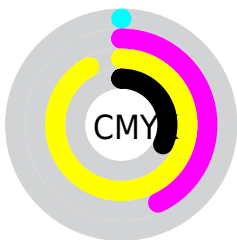
Blue (5%)



Red (60%)

Yellow (67%)

Blue (5%)

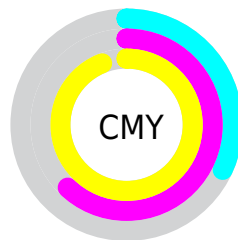


Cyan (0%)

Magenta (43%)

Yellow (92%)

Black (32%)



Cyan (32%)

Magenta (62%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 59.197, 65.455 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 49, 59.197, 65.455 by changing the saturation by 10% instead.

■ 49, 59.197, 65.455

■ 49, 59.197, 65.455

■ 100, 59.197,
65.455

■ 39, 59.197, 65.455

■ 69, 59.197, 65.455

■ 29, 59.197, 65.455

■ 79, 59.197, 65.455

■ 19, 59.197, 65.455

■ 89, 59.197, 65.455

■ 9, 59.197, 65.455

■ 99, 59.197, 65.455

■ 0, 59.197, 65.455

■ 49, 59.197, 65.455

■ 49, 59.197, 65.455

■ 47, 62.718, 63.440

■ 51, 53.857, 67.577

■ 53, 47.348, 69.257

■ 55, 40.357, 70.724

■ 58, 33.289, 72.096

■ 60, 26.350, 73.424

■ 62, 19.631, 74.726

■ 65, 13.167, 76.005

■ 67, 6.960, 77.247

■ 70, 0.996, 78.216

Harmonies

Complementary

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



49, 59.197, 65.455



38, 52.055, 283.278

Rectangle

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



49, 59.197, 65.455



49, 59.197, 115.455



49, 59.197, 245.455



49, 59.197, 295.455

Sweetspot

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



49, 59.195, 65.458



80, 21.349, 75.141



38, 61.797, 0.093



41, 14.848, 74.602



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



49, 59.195, 65.458



61, 76.644, 62.724



68, 70.450, 103.986



35, 3.363, 77.535



42, 56.691, 63.876



4, 6.583, 68.439

Inverse Universe

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



38, 52.055, 283.278



46, 70.676, 287.579



22, 95.307, 305.550



35, 3.308, 260.000



31, 50.986, 286.237



3, 7.577, 266.972

Previews

White Background



This preview shows how the CIELCh color 49, 59.197, 65.455 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 59.197, 65.455 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 49, 59.197, 65.455

Background



This preview shows how black text looks on a background with the CIELCh color 49, 59.197, 65.455.



This preview shows how white text looks on a background with the CIELCh color 49, 59.197, 65.455.

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

49, 59.197, 65.455

Protanopia

49, 50.535, 95.137

Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 37.144, 18.627

Trichromacy



Original Color
49, 59.197, 65.455

Protanomaly
49, 51.677, 82.783

Deuteranomaly
49, 56.461, 76.489

Tritanomaly
49, 42.336, 43.980

Monochromacy



Original Color
49, 59.197, 65.455

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 21.876, 72.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 59.197, 65.455 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(172, 98, 14)` looks like.

```
.text, #text, p{  
    color:rgb(172, 98, 14)  
}
```

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(172, 98, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 98, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 59.197, 65.455 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(172, 98, 14) }
```

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

```
.border{ border-color:rgb(172, 98, 14) }
```

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

Here you see how a box with a 4 pixel rgb(172, 98, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 98, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 98, 14);  
box-shadow:4px 4px 4px 4px rgb(172, 98,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 59.197, 65.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 98, 14) }
```

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

```
.background{ background-color: rgb(172, 98,  
14) }
```

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