

Converting Colors

CIELCh(49, 53.710, 77.474)

Have a look what the booklet for
CIELCh(49, 53.710, 77.474) contains.

CIELCh(49, 53.674, 77.198)	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, 53.674, 77.198)

Conversions

Conversions Part 1

Format	Color
Hex	9B6B10
RGB	155, 107, 16
RGB Percent	61%, 42%, 6%
CMY	0.3911, 0.5795, 0.9360
CMYK	0.00, 0.31, 0.89, 0.39
HSL	39°, 81%, 34%
HSV	39°, 89%, 61%
XYZ	18.9439, 17.5941, 2.9002
YIQ	110.9780, 57.8190, -18.1250

Conversions

Conversions Part 2

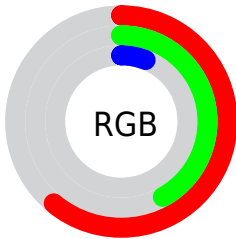
Format	Color
R_{YB}	89, 155, 16
Decimal	10185488
CIE _{Lab}	49.00, 11.89, 52.34
CIE _{LCh}	49, 53.674, 77.198
Yxy	17.5941, 0.4803, 0.4461
Android (android.graphics.Color)	4288375568 (0xFF9B6B10)
YUV	110.9780, -46.8242, 38.6073
Hunter-Lab	41.9453, 7.2125, 25.2622

Details

The CIELCh color **49, 53.674, 77.198** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **30, 57.793, 291.711**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 53.610, 76.912**, and **29, 41.068, 71.991** is the 20% darker color. If you saturate the color by 10%, you get **48, 56.786, 75.011**, and if you desaturate by 10%, it is **50, 49.287, 79.114**.

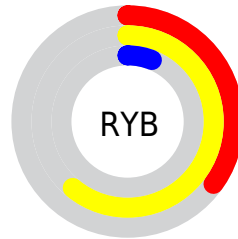
Distribution



Red (61%)

Green (42%)

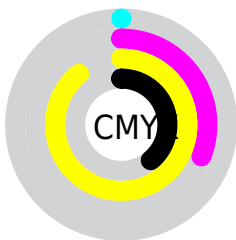
Blue (6%)



Red (35%)

Yellow (61%)

Blue (6%)

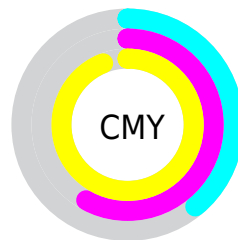


Cyan (0%)

Magenta (31%)

Yellow (89%)

Black (39%)



Cyan (39%)

Magenta (58%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 53.674, 77.198 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, 53.674, 77.198 by changing the saturation by 10% instead.

■ 49, 53.674, 77.198

■ 49, 53.674, 77.198

■ 100, 53.674,
77.198

■ 39, 53.674, 77.198

■ 69, 53.674, 77.198

■ 29, 53.674, 77.198

■ 79, 53.674, 77.198

■ 19, 53.674, 77.198

■ 89, 53.674, 77.198

■ 9, 53.674, 77.198

■ 99, 53.674, 77.198

■ 0, 53.674, 77.198

■ 49, 53.674, 77.198

■ 49, 53.674, 77.198

■ 48, 56.786, 75.011

■ 50, 49.287, 79.114

■ 48, 56.957, 74.907

■ 52, 43.734, 80.760

■ 54, 37.566, 82.264

■ 55, 31.140, 83.689

■ 57, 24.662, 85.063

■ 59, 18.238, 86.397

■ 60, 11.922, 87.691

■ 62, 5.737, 88.932

■ 64, 0.314, 270.845

Harmonies

Complementary

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



49, 53.674, 77.198



30, 57.793, 291.711

Rectangle

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



49, 53.674, 77.198



49, 53.674, 127.198



49, 53.674, 257.198



49, 53.674, 307.198

Sweetspot

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



49, 53.673, 77.201



75, 20.604, 86.655



33, 56.196, 10.673



39, 14.040, 86.241



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



49, 53.673, 77.201



61, 69.074, 74.283



60, 65.290, 111.404



31, 3.375, 88.965



43, 52.886, 75.189



2, 3.584, 89.209

Inverse Universe

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



30, 57.793, 291.711



35, 80.791, 296.117



21, 85.505, 306.293



30, 3.371, 271.338



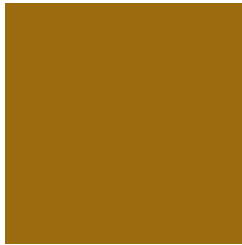
24, 60.022, 295.039



1, 3.647, 270.598

Previews

White Background



This preview shows how the CIELCh color 49, 53.674, 77.198 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 CIE LCh color 49, 53.674, 77.198 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, 53.674, 77.198

Background



This preview shows how black text looks on a background with the CIELCh color 49, 53.674, 77.198.



This preview shows how white text looks on a background with the CIELCh color 49, 53.674, 77.198.

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, 53.674, 77.198

Protanopia

49, 50.824, 95.143

Deuteranopia

49, 53.276, 83.241



Tritanopia
49, 25.935, 13.988

Trichromacy



Original Color
49, 53.674, 77.198

Protanomaly
49, 51.003, 88.345

Deuteranomaly
49, 53.525, 81.112

Tritanomaly
49, 31.598, 53.404

Monochromacy



Original Color
49, 53.674, 77.198

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 20.938, 85.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 53.674, 77.198 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(155, 107, 16)` looks like.

```
.text, #text, p{  
    color:rgb(155, 107, 16)  
}
```

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(155, 107, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 107, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 53.674, 77.198 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(155, 107, 16) }
```

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

```
.border{ border-color:rgb(155, 107, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 107, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 107, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 107, 16);  
box-shadow:4px 4px 4px 4px rgb(155, 107,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 53.674, 77.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 107, 16) }
```

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

```
.background{ background-color: rgb(155,  
107, 16) }
```

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