

Converting Colors

CIELCh(49, 38.352, 319.849)

Have a look what the booklet for
CIELCh(49, 38.352, 319.849)
contains.

CIELCh(49, 38.905, 319.920)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 38.905, 319.920)

Conversions

Conversions Part 1

Format	Color
Hex	92639F
RGB	146, 99, 159
RGB Percent	57%, 39%, 62%
CMY	0.4267, 0.6111, 0.3757
CMYK	0.08, 0.38, 0.00, 0.38
HSL	287°, 24%, 51%
HSV	287°, 38%, 62%
XYZ	22.6393, 17.5941, 35.0877
YIQ	119.8930, 8.7520, 28.6240

Conversions

Conversions Part 2

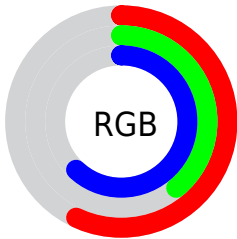
Format	Color
R_{YB}	146, 99, 159
Decimal	9593759
CIE Lab	49.00, 29.77, -25.05
CIE LCh	49, 38.905, 319.920
Yxy	17.5941, 0.3006, 0.2336
Android (android.graphics.Color)	4287783839 (0xFF92639F)
YUV	119.8930, 19.2798, 22.8958
Hunter-Lab	41.9453, 22.9383, -20.2351

Details

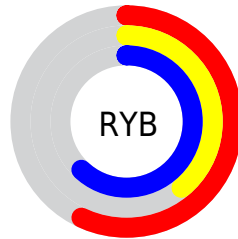
The CIELCh color $49, 38.905, 319.920$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $61, 38.213, 136.324$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 38.730, 319.919$, and $29, 38.625, 319.905$ is the 20% darker color. If you saturate the color by 10%, you get $45, 48.981, 320.298$, and if you desaturate by 10%, it is $53, 28.550, 319.501$.

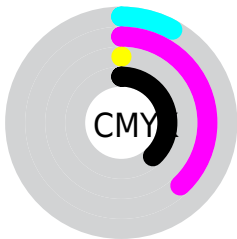
Distribution



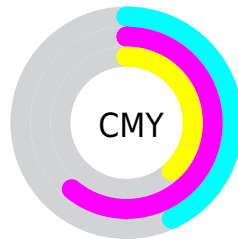
- Red (57%)
- Green (39%)
- Blue (62%)



- Red (57%)
- Yellow (39%)
- Blue (62%)



- Cyan (8%)
- Magenta (38%)
- Yellow (0%)
- Black (38%)




- Cyan (43%)
- Magenta (61%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 38.905, 319.920 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, 38.905, 319.920 by changing the saturation by 10% instead.


 49, 38.905,
319.920


 49, 38.905,
319.920


 100, 38.905,
319.920


 39, 38.905,
319.920

 69, 38.905,
319.920


 29, 38.905,
319.920

 79, 38.905,
319.920

 19, 38.905,
319.920

 89, 38.905,
319.920

 9, 38.905, 319.920

 99, 38.905,
319.920

 0, 38.905, 319.920

 49, 38.905,

 49, 38.905,

319.920

319.920

45, 48.981,
320.298

53, 28.550,
319.501

41, 58.469,
320.604

58, 18.142,
319.064

38, 66.962,
320.798

62, 7.826, 318.618

35, 73.990,
320.837

67, 2.305, 138.293

33, 79.122,
320.673

71, 12.199,
137.831

32, 82.311,
320.299

76, 21.828,
137.447

31, 82.980,
320.210

80, 31.182,
137.093

85, 40.260,
136.769

■ 90, 49.070,
136.472

Harmonies

Complementary

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



49, 38.905, 319.920



61, 38.213, 136.324

Rectangle

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



49, 38.905, 319.920



49, 38.905, 9.920



49, 38.905, 139.920



49, 38.905, 189.920

Sweetspot

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



49, 38.903, 319.920



77, 13.869, 318.776



48, 27.880, 284.989



40, 9.403, 318.832



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 38.903, 319.920



59, 57.214, 320.232



50, 33.693, 336.299



31, 5.724, 318.688



28, 76.616, 320.278



1, 7.359, 317.289

Inverse Universe

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



49, 26.200, 6.429



59, 39.071, 7.882



61, 33.368, 150.499



31, 3.677, 2.775



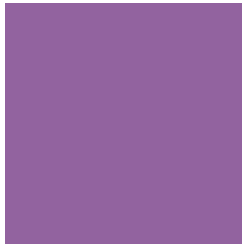
29, 59.110, 26.912



1, 4.685, 2.832

Previews

White Background



This preview shows how the CIELCh color 49, 38.905, 319.920 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, 38.905, 319.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

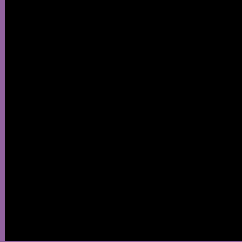
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 38.905, 319.920

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.905, 319.920.



This preview shows how white text looks on a background with the CIELCh color 49, 38.905, 319.920.

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, 38.905, 319.920

Protanopia

49, 33.618, 285.363

Deuteranopia

49, 24.169, 285.998



Tritanopia
49, 14.045, 1.821

Trichromacy



Original Color
49, 38.905, 319.920

Protanomaly
49, 34.273, 298.355

Deuteranomaly
49, 28.668, 302.155

Tritanomaly
49, 21.486, 334.846

Monochromacy



Original Color
49, 38.905, 319.920

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 14.740, 320.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.905, 319.920 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(146, 99, 159)` looks like.

```
.text, #text, p{  
    color:rgb(146, 99, 159)  
}
```

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(146, 99, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 99, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.905, 319.920 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(146, 99, 159) }
```

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

```
.border{ border-color:rgb(146, 99, 159) }
```

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

Here you see how a box with a 4 pixel rgb(146, 99, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 99, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 99, 159);  
box-shadow:4px 4px 4px 4px rgb(146, 99,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.905, 319.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 99, 159) }
```

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

```
.background{ background-color: rgb(146, 99,  
159) }
```

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