

Converting Colors

CIELCh(49, 26.231, 352.357)

Have a look what the booklet for
CIELCh(49, 26.231, 352.357)
contains.

CIELCh(49, 26.216, 352.499)	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, 26.216, 352.499)

Conversions

Conversions Part 1

Format	Color
Hex	9C647B
RGB	156, 100, 123
RGB Percent	61%, 39%, 48%
CMY	0.3885, 0.6080, 0.5179
CMYK	0.00, 0.36, 0.21, 0.39
HSL	335°, 22%, 50%
HSV	335°, 36%, 61%
XYZ	21.8218, 17.5941, 20.9661
YIQ	119.3660, 25.9930, 19.0250

Conversions

Conversions Part 2

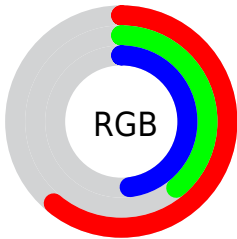
Format	Color
R_{YB}	156, 100, 123
Decimal	10249339
CIE _{Lab}	49.00, 25.99, -3.42
CIE _{LCh}	49, 26.216, 352.499
Y _{xy}	17.5941, 0.3614, 0.2914
Android (android.graphics.Color)	4288439419 (0xFF9C647B)
YUV	119.3660, 1.7916, 32.1280
Hunter-Lab	41.9453, 19.4595, -0.2741

Details

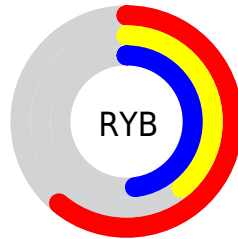
The CIELCh color $49, 26.216, 352.499$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $60, 24.538, 165.252$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 26.059, 353.379$, and $29, 25.928, 352.838$ is the 20% darker color. If you saturate the color by 10%, you get $45, 33.499, 353.951$, and if you desaturate by 10%, it is $53, 18.787, 351.264$.

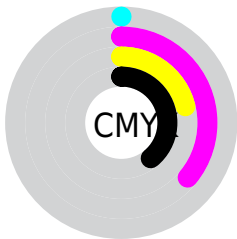
Distribution



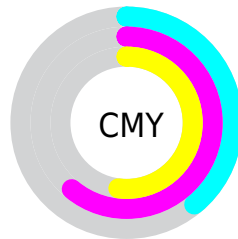
- Red (61%)
- Green (39%)
- Blue (48%)



- Red (61%)
- Yellow (39%)
- Blue (48%)



- Cyan (0%)
- Magenta (36%)
- Yellow (21%)
- Black (39%)



- Cyan (39%)
- Magenta (61%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 26.216, 352.499 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, 26.216, 352.499 by changing the saturation by 10% instead.

 49, 26.216,
352.499

 49, 26.216,
352.499

 100, 26.216,
352.499

 39, 26.216,
352.499


 69, 26.216,
352.499

 29, 26.216,
352.499


 79, 26.216,
352.499

 19, 26.216,
352.499

 89, 26.216,
352.499

 9, 26.216, 352.499

 99, 26.216,
352.499

 0, 26.216, 352.499

 49, 26.216,

 49, 26.216,

352.499

352.499

45, 33.499,
353.951

53, 18.787,
351.264

42, 40.382,
355.692

57, 11.401,
350.182

39, 46.531,
357.832

62, 4.173, 349.184

36, 51.592, 0.511

66, 2.835, 168.557

34, 55.299, 3.897

71, 9.590, 167.705

33, 57.669, 8.105

75, 16.085,
166.996

33, 58.579, 9.893

80, 22.324,
166.355

84, 28.322,
165.766

89, 34.094,

Harmonies

Complementary

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



49, 26.216, 352.499



60, 24.538, 165.252

Rectangle

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



49, 26.216, 352.499



49, 26.216, 42.499



49, 26.216, 172.499



49, 26.216, 222.499

Sweetspot

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



49, 26.214, 352.501



75, 9.650, 349.712



48, 35.117, 313.509



39, 6.547, 349.835



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, 26.214, 352.501



59, 38.690, 353.627



50, 22.806, 28.869



31, 4.060, 349.520



30, 54.902, 9.466



1, 5.170, 350.059

Inverse Universe

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



49, 26.214, 352.501



59, 38.690, 353.627



59, 17.680, 206.530



31, 4.060, 349.520



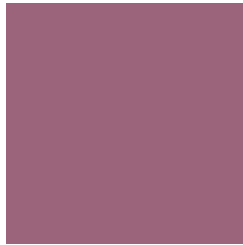
30, 54.902, 9.466



1, 5.170, 350.059

Previews

White Background



This preview shows how the CIELCh color 49, 26.216, 352.499 looks on a white background.

Color Contrast Check

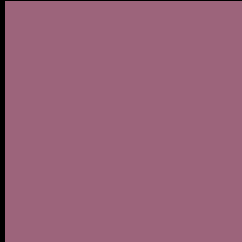
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.216, 352.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

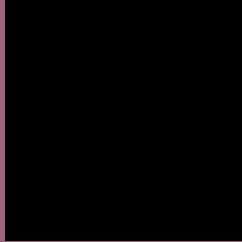
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 26.216, 352.499

Background



This preview shows how black text looks on a background with the CIELCh color 49, 26.216, 352.499.



This preview shows how white text looks on a background with the CIELCh color 49, 26.216, 352.499.

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, 26.216, 352.499

Protanopia

49, 9.998, 287.141

Deuteranopia

49, 7.064, 338.622



Tritanopia
49, 22.890, 10.834

Trichromacy



Original Color
49, 26.216, 352.499

Protanomaly
49, 13.498, 325.203

Deuteranomaly
49, 14.338, 346.412

Tritanomaly
49, 23.824, 2.806

Monochromacy



Original Color
49, 26.216, 352.499

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 9.405, 350.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 26.216, 352.499 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(156, 100, 123)` looks like.

```
.text, #text, p{  
    color:rgb(156, 100, 123)  
}
```

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(156, 100, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 100, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 26.216, 352.499 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(156, 100, 123) }
```

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

```
.border{ border-color:rgb(156, 100, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 100, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 100, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 100, 123);  
box-shadow:4px 4px 4px 4px rgb(156, 100,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 26.216, 352.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 100, 123) }
```

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

```
.background{ background-color: rgb(156,  
100, 123) }
```

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