

Converting Colors

CIELCh(49, 16.953, 0.816)

Have a look what the booklet for
CIELCh(49, 16.953, 0.816) contains.

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Color

CIELCh(49, 16.945, 359.430)

Conversions

Conversions Part 1

Format	Color
Hex	906A75
RGB	144, 106, 117
RGB Percent	56%, 42%, 46%
CMY	0.4344, 0.5834, 0.5403
CMYK	0.00, 0.26, 0.19, 0.43
HSL	343°, 15%, 49%
HSV	343°, 26%, 57%
XYZ	19.9439, 17.5941, 19.2435
YIQ	118.6160, 19.1170, 11.4770

Conversions

Conversions Part 2

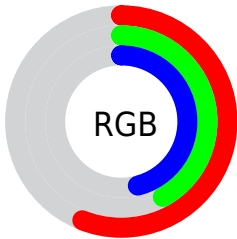
Format	Color
R_{YB}	144, 106, 117
Decimal	9464437
CIE Lab	49.00, 16.94, -0.17
CIE LCh	49, 16.945, 359.430
Yxy	17.5941, 0.3512, 0.3099
Android (android.graphics.Color)	4287654517 (0xFF906A75)
YUV	118.6160, -0.7967, 22.2618
Hunter-Lab	41.9453, 11.4677, 2.1608

Details

The CIELCh color $49, 16.945, 359.430$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $57, 15.671, 174.232$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 16.557, 359.764$, and $29, 17.240, 358.976$ is the 20% darker color. If you saturate the color by 10%, you get $45, 23.691, 0.820$, and if you desaturate by 10%, it is $53, 10.329, 358.250$.

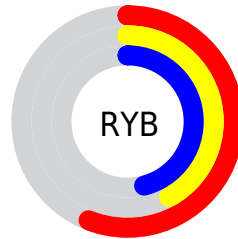
Distribution



Red (56%)

Green (42%)

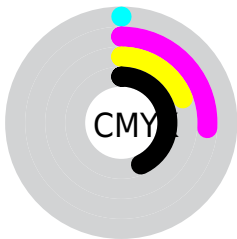
Blue (46%)



Red (56%)

Yellow (42%)

Blue (46%)

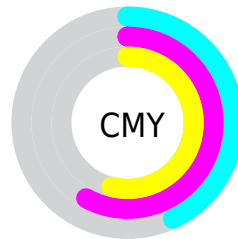


Cyan (0%)

Magenta (26%)

Yellow (19%)

Black (43%)



Cyan (43%)


Magenta (58%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.945, 359.430 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, 16.945, 359.430 by changing the saturation by 10% instead.


 49, 16.945,
359.430


 49, 16.945,
359.430


 100, 16.945,
359.430


 39, 16.945,
359.430

 69, 16.945,
359.430


 29, 16.945,
359.430

 79, 16.945,
359.430

 19, 16.945,
359.430


 89, 16.945,
359.430

 9, 16.945, 359.430

 99, 16.945,
359.430

 0, 16.945, 359.430

 49, 16.945,

 49, 16.945,

359.430

359.430

45, 23.691, 0.820

53, 10.329,
358.250

41, 30.431, 2.485

57, 3.933, 357.182

38, 36.953, 4.526

61, 2.202, 176.566

35, 42.987, 7.073

66, 8.063, 175.658

33, 48.252, 10.280

70, 13.652,
174.937

31, 52.554, 14.295

30, 55.983, 19.103

74, 18.984,
174.295

30, 57.272, 20.824

79, 24.077,
173.713

83, 28.950,
173.182

87, 33.624,

Harmonies

Complementary

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



49, 16.945, 359.430



57, 15.671, 174.232

Rectangle

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



49, 16.945, 359.430



49, 16.945, 49.430



49, 16.945, 179.430



49, 16.945, 229.430

Sweetspot

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



49, 16.943, 359.433



72, 6.189, 357.376



49, 24.568, 316.825



37, 4.397, 357.522



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 16.943, 359.433



60, 25.852, 0.283



51, 13.873, 39.179



28, 3.487, 357.482



28, 54.522, 20.449



0, 2.312, 356.698

Inverse Universe

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



49, 16.943, 359.433



60, 25.852, 0.283



55, 11.663, 220.569



28, 3.487, 357.482



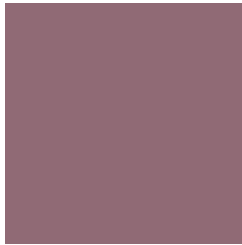
28, 54.522, 20.449



0, 2.312, 356.698

Previews

White Background



This preview shows how the CIELCh color 49, 16.945, 359.430 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, 16.945, 359.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

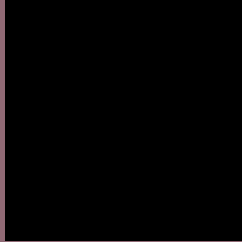
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 16.945, 359.430

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.945, 359.430.



This preview shows how white text looks on a background with the CIELCh color 49, 16.945, 359.430.

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, 16.945, 359.430

Protanopia

49, 4.139, 296.201

Deuteranopia

49, 6.410, 4.263



Tritanopia
49, 16.081, 4.678

Trichromacy



Original Color
49, 16.945, 359.430

Protanomaly
49, 8.062, 339.462

Deuteranomaly
49, 9.938, 3.551

Tritanomaly
49, 16.211, 2.677

Monochromacy



Original Color
49, 16.945, 359.430

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 6.186, 357.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.945, 359.430 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(144, 106, 117)` looks like.

```
.text, #text, p{  
    color:rgb(144, 106, 117)  
}
```

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(144, 106, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 106, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.945, 359.430 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(144, 106, 117) }
```

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

```
.border{ border-color:rgb(144, 106, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 106, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 106, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 106, 117);  
box-shadow:4px 4px 4px 4px rgb(144, 106,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.945, 359.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 106, 117) }
```

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

```
.background{ background-color: rgb(144,  
106, 117) }
```

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](#).

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