

Converting Colors

CIELCh(49, 16.151, 315.515)

Have a look what the booklet for
CIELCh(49, 16.151, 315.515)
contains.

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Color

CIELCh(49, 16.003, 314.550)

Conversions

Conversions Part 1

Format	Color
Hex	7F6F88
RGB	127, 111, 136
RGB Percent	50%, 44%, 53%
CMY	0.5028, 0.5655, 0.4675
CMYK	0.07, 0.18, 0.00, 0.47
HSL	278°, 10%, 48%
HSV	278°, 18%, 53%
XYZ	18.8145, 17.5941, 25.6206
YIQ	118.6340, 1.5110, 11.1670

Conversions

Conversions Part 2

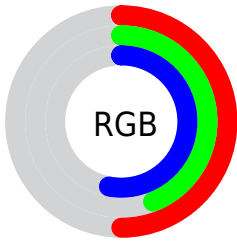
Format	Color
R_{YB}	127, 111, 136
Decimal	8351624
CIE _{Lab}	49.00, 11.23, -11.40
CIE _{LCh}	49, 16.003, 314.550
Yxy	17.5941, 0.3033, 0.2836
Android (android.graphics.Color)	4286541704 (0xFF7F6F88)
YUV	118.6340, 8.5614, 7.3370
Hunter-Lab	41.9453, 6.6617, -6.8533

Details

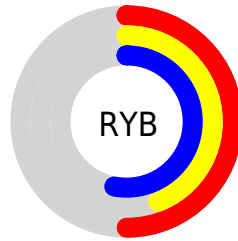
The CIELCh color $49, 16.003, 314.550$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 15.737, 133.029$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 15.648, 314.817$, and $29, 16.113, 315.247$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.920, 314.984$, and if you desaturate by 10%, it is $53, 7.228, 314.121$.

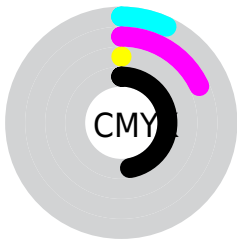
Distribution



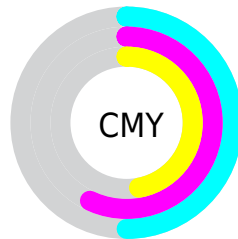
- Red (50%)
- Green (44%)
- Blue (53%)



- Red (50%)
- Yellow (44%)
- Blue (53%)



- Cyan (7%)
- Magenta (18%)
- Yellow (0%)
- Black (47%)





- Cyan (50%)
- Magenta (57%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.003, 314.550 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, 16.003, 314.550 by changing the saturation by 10% instead.


 49, 16.003,
314.550


 49, 16.003,
314.550


 100, 16.003,
314.550


 39, 16.003,
314.550

 69, 16.003,
314.550


 29, 16.003,
314.550

 79, 16.003,
314.550

 19, 16.003,
314.550

 89, 16.003,
314.550

 9, 16.003, 314.550

 99, 16.003,
314.550

 0, 16.003, 314.550

 49, 16.003,

 49, 16.003,

314.550

45, 24.920,
314.984

41, 33.894,
315.416

37, 42.774,
315.820

34, 51.331,
316.163

30, 59.235,
316.395

27, 66.057,
316.453

25, 71.328,
316.266

23, 75.100,
315.856

314.550

53, 7.228, 314.121

57, 1.348, 133.833

61, 9.701, 133.387

66, 17.820,
133.044

70, 25.703,
132.737

74, 33.357,
132.461

78, 40.788,
132.214

82, 48.008,
131.995

86, 55.028,

■ 23,75.712,
315.801

131.802

Harmonies

Complementary

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



49, 16.003, 314.550



55, 15.737, 133.029

Rectangle

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



49, 16.003, 314.550



49, 16.003, 4.550



49, 16.003, 134.550



49, 16.003, 184.550

Sweetspot

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



49, 16.001, 314.549



69, 6.362, 314.023



50, 9.779, 270.903



36, 4.255, 314.046



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 16.001, 314.549



61, 23.730, 314.726



50, 16.074, 329.351



27, 4.914, 314.154



22, 74.405, 315.825



0, 2.258, 313.800

Inverse Universe

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



49, 11.490, 353.652



61, 17.071, 354.104



54, 16.037, 147.136



27, 3.511, 352.697



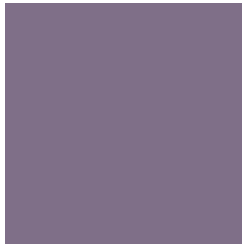
27, 52.441, 13.862



0, 1.605, 351.932

Previews

White Background



This preview shows how the CIELCh color 49, 16.003, 314.550 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, 16.003, 314.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

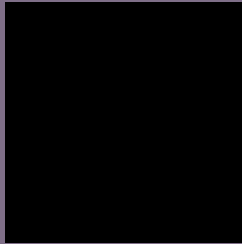
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 16.003, 314.550

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.003, 314.550.



This preview shows how white text looks on a background with the CIELCh color 49, 16.003, 314.550.

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, 16.003, 314.550

Protanopia

49, 14.128, 287.532

Deuteranopia

49, 12.530, 300.493



Tritanopia
49, 7.183, 332.905

Trichromacy



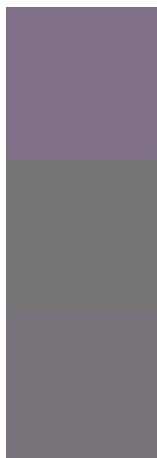
Original Color
49, 16.003, 314.550

Protanomaly
49, 14.829, 297.880

Deuteranomaly
49, 13.443, 306.641

Tritanomaly
49, 10.457, 323.198

Monochromacy



Original Color
49, 16.003, 314.550

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 5.827, 314.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.003, 314.550 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(127, 111, 136)` looks like.

```
.text, #text, p{  
    color:rgb(127, 111, 136)  
}
```

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(127, 111, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 111, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.003, 314.550 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(127, 111, 136) }
```

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

```
.border{ border-color:rgb(127, 111, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 111, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 111, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 111, 136);  
box-shadow:4px 4px 4px 4px rgb(127, 111,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.003, 314.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 111, 136) }
```

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

```
.background{ background-color: rgb(127,  
111, 136) }
```

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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