

Converting Colors

CIELCh(49, 19.350, 311.748)

Have a look what the booklet for
CIELCh(49, 19.350, 311.748)
contains.

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Color

CIELCh(49, 19.416, 311.694)

Conversions

Conversions Part 1

Format	Color
Hex	7F6E8D
RGB	127, 110, 141
RGB Percent	50%, 43%, 55%
CMY	0.5019, 0.5685, 0.4470
CMYK	0.10, 0.22, 0.00, 0.45
HSL	273°, 12%, 49%
HSV	273°, 22%, 55%
XYZ	19.1434, 17.5941, 27.5951
YIQ	118.6170, 0.1810, 13.2450

Conversions

Conversions Part 2

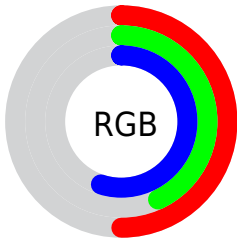
Format	Color
R_{YB}	127, 110, 141
Decimal	8351373
CIE _{Lab}	49.00, 12.91, -14.50
CIE _{LCh}	49, 19.416, 311.694
Yxy	17.5941, 0.2976, 0.2735
Android (android.graphics.Color)	4286541453 (0xFF7F6E8D)
YUV	118.6170, 11.0348, 7.3519
Hunter-Lab	41.9453, 8.0612, -9.6442

Details

The CIELCh color $49, 19.416, 311.694$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 18.918, 129.792$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 19.350, 311.380$, and $29, 19.825, 312.204$ is the 20% darker color. If you saturate the color by 10%, you get $45, 28.549, 312.172$, and if you desaturate by 10%, it is $53, 10.453, 311.234$.

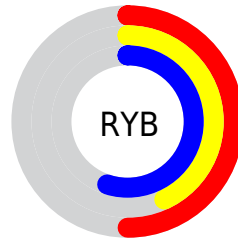
Distribution



Red (50%)

Green (43%)

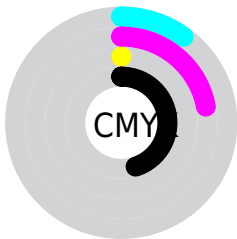
Blue (55%)



Red (50%)

Yellow (43%)

Blue (55%)

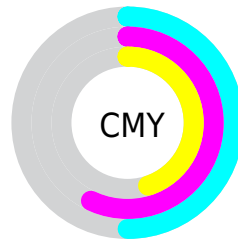


Cyan (10%)

Magenta (22%)

Yellow (0%)

Black (45%)



Cyan (50%)

Magenta (57%)

Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 19.416, 311.694 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, 19.416, 311.694 by changing the saturation by 10% instead.


 49, 19.416,
311.694


 49, 19.416,
311.694


 100, 19.416,
311.694


 39, 19.416,
311.694


 69, 19.416,
311.694


 29, 19.416,
311.694


 79, 19.416,
311.694

 19, 19.416,
311.694

 89, 19.416,
311.694

 9, 19.416, 311.694

 99, 19.416,
311.694

 0, 19.416, 311.694

 49, 19.416,

 49, 19.416,

311.694

45, 28.549,
312.172

40, 37.766,
312.656

36, 46.911,
313.117

33, 55.736,
313.513

29, 63.865,
313.782

26, 70.796,
313.842

24, 75.979,
313.598

22, 79.301,
313.298

311.694

53, 10.453,
311.234

58, 1.711, 310.760

62, 6.789, 130.449

67, 15.040,
130.091

71, 23.043,
129.776

75, 30.807,
129.497

80, 38.342,
129.252

84, 45.658,
129.038

■ 88, 52.767,
128.851

Harmonies

Complementary

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



49, 19.416, 311.694



57, 18.918, 129.792

Rectangle

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



49, 19.416, 311.694



49, 19.416, 1.694



49, 19.416, 131.694



49, 19.416, 181.694

Sweetspot

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



49, 19.415, 311.693



71, 7.528, 311.018



52, 10.834, 262.092



37, 4.877, 311.040



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



49, 19.415, 311.693



61, 28.628, 311.911



50, 21.225, 326.518



28, 4.959, 311.109



21, 76.860, 313.342



0, 3.312, 310.738

Inverse Universe

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



50, 14.971, 348.311



62, 22.048, 348.797



56, 21.207, 143.951



28, 3.827, 347.065



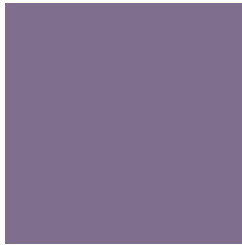
28, 52.688, 5.310



1, 2.553, 346.338

Previews

White Background



This preview shows how the CIELCh color 49, 19.416, 311.694 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, 19.416, 311.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

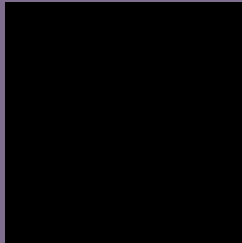
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 19.416, 311.694

Background



This preview shows how black text looks on a background with the CIELCh color 49, 19.416, 311.694.



This preview shows how white text looks on a background with the CIELCh color 49, 19.416, 311.694.

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, 19.416, 311.694

Protanopia

49, 17.675, 286.645

Deuteranopia

49, 15.328, 294.935



Tritanopia
49, 6.919, 330.389

Trichromacy



Original Color
49, 19.416, 311.694

Protanomaly
49, 18.305, 295.966

Deuteranomaly
49, 16.147, 301.535

Tritanomaly
49, 11.276, 318.279

Monochromacy



Original Color
49, 19.416, 311.694

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.901, 310.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 19.416, 311.694 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, 110, 141)` looks like.

```
.text, #text, p{  
    color:rgb(127, 110, 141)  
}
```

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, 110, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 110, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 19.416, 311.694 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, 110, 141) }
```

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

```
.border{ border-color:rgb(127, 110, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 110, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 110, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 110, 141);  
box-shadow:4px 4px 4px 4px rgb(127, 110,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 19.416, 311.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 110, 141) }
```

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

```
.background{ background-color: rgb(127,  
110, 141) }
```

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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