

Converting Colors

CIELCh(49, 28.337, 307.193)

Have a look what the booklet for
CIELCh(49, 28.337, 307.193)
contains.

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Color

CIELCh(49, 28.581, 307.318)

Conversions

Conversions Part 1

Format	Color
Hex	7F6C9B
RGB	127, 108, 155
RGB Percent	50%, 42%, 61%
CMY	0.5021, 0.5766, 0.3923
CMYK	0.18, 0.30, 0.00, 0.39
HSL	264°, 19%, 52%
HSV	264°, 30%, 61%
XYZ	20.0210, 17.5941, 33.3372
YIQ	119.0390, -3.7630, 18.6450

Conversions

Conversions Part 2

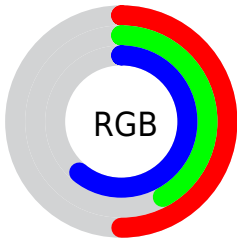
Format	Color
R_{YB}	127, 108, 155
Decimal	8350875
CIE _{Lab}	49.00, 17.33, -22.73
CIE _{LCh}	49, 28.581, 307.318
Yxy	17.5941, 0.2822, 0.2480
Android (android.graphics.Color)	4286540955 (0xFF7F6C9B)
YUV	119.0390, 17.7288, 6.9818
Hunter-Lab	41.9453, 11.7961, -17.7608

Details

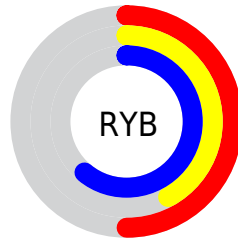
The CIELCh color $49, 28.581, 307.318$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 27.172, 124.162$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 28.475, 306.804$, and $29, 29.086, 307.417$ is the 20% darker color. If you saturate the color by 10%, you get $44, 38.499, 307.967$, and if you desaturate by 10%, it is $54, 18.877, 306.712$.

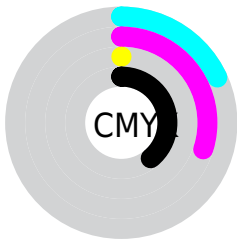
Distribution



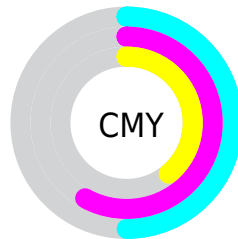
- Red (50%)
- Green (42%)
- Blue (61%)



- Red (50%)
- Yellow (42%)
- Blue (61%)



- Cyan (18%)
- Magenta (30%)
- Yellow (0%)
- Black (39%)



- Cyan (50%)
- Magenta (58%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 28.581, 307.318 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, 28.581, 307.318 by changing the saturation by 10% instead.


 49, 28.581,
307.318


 49, 28.581,
307.318


 100, 28.581,
307.318


 39, 28.581,
307.318

 69, 28.581,
307.318


 29, 28.581,
307.318

 79, 28.581,
307.318

 19, 28.581,
307.318

 89, 28.581,
307.318

 9, 28.581, 307.318

 99, 28.581,
307.318

 0, 28.581, 307.318

 49, 28.581,

 49, 28.581,

307.318

44, 38.499,
307.967

39, 48.523,
308.637

35, 58.441,
309.288

31, 67.885,
309.852

27, 76.285,
310.226

24, 82.891,
310.278

22, 87.636,
310.088

307.318

54, 18.877,
306.712

59, 9.444, 306.157

64, 0.301, 305.436

69, 8.548, 125.242

74, 17.111,
124.853

79, 25.399,
124.516

83, 33.426,
124.224

88, 41.207,
123.972

93, 48.755,

Harmonies

Complementary

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



49, 28.581, 307.318



61, 27.172, 124.162

Rectangle

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



49, 28.581, 307.318



49, 28.581, 357.318



49, 28.581, 127.318



49, 28.581, 177.318

Sweetspot

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



49, 28.580, 307.318



76, 10.174, 306.097



55, 14.318, 247.986



39, 7.141, 306.169



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, 28.580, 307.318



59, 42.371, 307.728



51, 31.472, 323.141



30, 5.106, 306.099



19, 81.389, 310.182



1, 5.440, 305.407

Inverse Universe

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



51, 24.530, 341.276



63, 36.015, 341.889



60, 31.286, 139.932



30, 4.470, 339.472



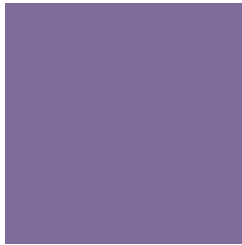
30, 56.127, 352.500



1, 4.755, 339.300

Previews

White Background



This preview shows how the CIELCh color 49, 28.581, 307.318 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, 28.581, 307.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

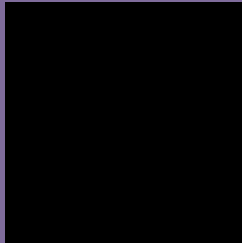
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.581, 307.318

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.581, 307.318.



This preview shows how white text looks on a background with the CIELCh color 49, 28.581, 307.318.

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, 28.581, 307.318

Protanopia

49, 26.577, 284.950

Deuteranopia

49, 22.953, 287.090



Tritanopia
49, 6.209, 321.709

Trichromacy



Original Color
49, 28.581, 307.318

Protanomaly
49, 27.067, 293.642

Deuteranomaly
49, 24.765, 295.771

Tritanomaly
49, 14.356, 310.562

Monochromacy



Original Color
49, 28.581, 307.318

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 10.381, 306.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.581, 307.318 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, 108, 155)` looks like.

```
.text, #text, p{  
    color:rgb(127, 108, 155)  
}
```

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, 108, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 108, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.581, 307.318 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, 108, 155) }
```

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

```
.border{ border-color:rgb(127, 108, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 108, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 108, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 108, 155);  
box-shadow:4px 4px 4px 4px rgb(127, 108,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.581, 307.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 108, 155) }
```

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

```
.background{ background-color: rgb(127,  
108, 155) }
```

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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