

Converting Colors

CIELCh(49, 27.752, 306.615)

Have a look what the booklet for
CIELCh(49, 27.752, 306.615)
contains.

CIELCh(49, 27.942, 306.854)	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, 27.942, 306.854)

Conversions

Conversions Part 1

Format	Color
Hex	7E6C9A
RGB	126, 108, 154
RGB Percent	49%, 42%, 60%
CMY	0.5046, 0.5753, 0.3948
CMYK	0.18, 0.30, 0.00, 0.39
HSL	263°, 19%, 51%
HSV	263°, 30%, 61%
XYZ	19.9066, 17.5941, 33.0622
YIQ	118.6260, -4.0380, 18.1220

Conversions

Conversions Part 2

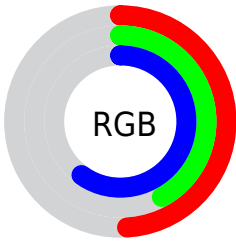
Format	Color
R _Y B	126, 108, 154
Decimal	8285338
CIE Lab	49.00, 16.76, -22.36
CIE LCh	49, 27.942, 306.854
Yxy	17.5941, 0.2821, 0.2493
Android (android.graphics.Color)	4286475418 (0xFF7E6C9A)
YUV	118.6260, 17.4394, 6.4670
Hunter-Lab	41.9453, 11.3091, -17.3720

Details

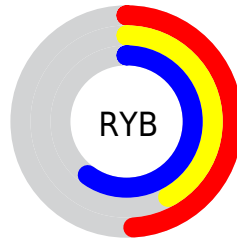
The CIELCh color $49, 27.942, 306.854$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 26.559, 123.698$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 27.867, 306.360$, and $29, 28.416, 306.919$ is the 20% darker color. If you saturate the color by 10%, you get $44, 37.816, 307.520$, and if you desaturate by 10%, it is $54, 18.294, 306.235$.

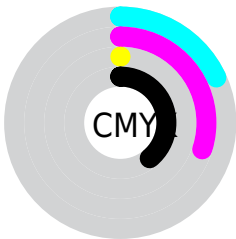
Distribution



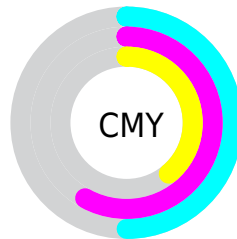
- Red (49%)
- Green (42%)
- Blue (60%)



- Red (49%)
- Yellow (42%)
- Blue (60%)



- 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, 27.942, 306.854 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, 27.942, 306.854 by changing the saturation by 10% instead.

 49, 27.942,
306.854


 49, 27.942,
306.854

 100, 27.942,
306.854

 39, 27.942,
306.854

 69, 27.942,
306.854

 29, 27.942,
306.854

 79, 27.942,
306.854

 19, 27.942,
306.854

 89, 27.942,
306.854

 9, 27.942, 306.854

 99, 27.942,
306.854

 0, 27.942, 306.854

 49, 27.942,

 49, 27.942,

306.854

44, 37.816,
307.520

39, 47.815,
308.213

35, 57.740,
308.894

31, 67.236,
309.496

27, 75.745,
309.917

24, 82.512,
310.023

21, 87.499,
309.862

21, 87.592,
309.862

306.854

54, 18.294,
306.235

59, 8.923, 305.672

64, 0.154, 125.614

69, 8.937, 124.745

74, 17.434,
124.354

79, 25.657,
124.015

83, 33.620,
123.721

88, 41.338,
123.468

93, 48.825,

Harmonies

Complementary

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



49, 27.942, 306.854



61, 26.559, 123.698

Rectangle

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



49, 27.942, 306.854



49, 27.942, 356.854



49, 27.942, 126.854



49, 27.942, 176.854

Sweetspot

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



49, 27.941, 306.854



76, 10.152, 305.638



55, 13.908, 245.719



39, 7.126, 305.712



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, 27.941, 306.854



59, 42.312, 307.309



51, 30.714, 322.622



30, 5.095, 305.640



19, 81.599, 309.951



1, 5.427, 304.946

Inverse Universe

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



51, 24.241, 340.591



63, 36.313, 341.238



60, 30.500, 139.538



30, 4.510, 338.866



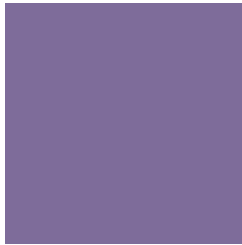
30, 56.458, 351.433



1, 4.798, 338.703

Previews

White Background



This preview shows how the CIELCh color 49, 27.942, 306.854 looks on a white background.

Color Contrast Check

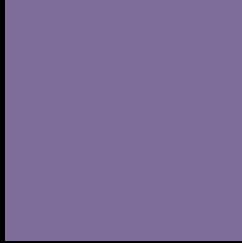
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.942, 306.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

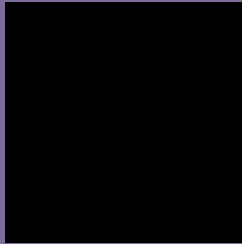
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 27.942, 306.854

Background



This preview shows how black text looks on a background with the CIELCh color 49, 27.942, 306.854.



This preview shows how white text looks on a background with the CIELCh color 49, 27.942, 306.854.

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, 27.942, 306.854

Protanopia

49, 26.004, 284.653

Deuteranopia

49, 22.374, 286.838



Tritanopia
49, 6.012, 318.422

Trichromacy



Original Color
49, 27.942, 306.854

Protanomaly
49, 25.860, 291.975

Deuteranomaly
49, 23.545, 294.898

Tritanomaly
49, 13.681, 309.792

Monochromacy



Original Color
49, 27.942, 306.854

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, 27.942, 306.854 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(126, 108, 154)` looks like.

```
.text, #text, p{  
    color:rgb(126, 108, 154)  
}
```

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(126, 108, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 108, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 27.942, 306.854 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(126, 108, 154) }
```

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

```
.border{ border-color:rgb(126, 108, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 108, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 108, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 108, 154); box-shadow:4px 4px 4px 4px rgb(126, 108, 154) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 27.942, 306.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 108, 154) }
```

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

```
.background{ background-color: rgb(126,  
108, 154) }
```

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