

Converting Colors

CIELCh(47, 39.574, 298.735)

Have a look what the booklet for
CIELCh(47, 39.574, 298.735)
contains.

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Color

CIELCh(47, 39.829, 298.927)

Conversions

Conversions Part 1

Format	Color
Hex	6F67AA
RGB	111, 103, 170
RGB Percent	44%, 40%, 67%
CMY	0.5642, 0.5956, 0.3328
CMYK	0.35, 0.39, 0.00, 0.33
HSL	247°, 28%, 54%
HSV	247°, 39%, 67%
XYZ	18.7020, 16.0195, 40.2021
YIQ	113.0300, -16.7390, 22.5330

Conversions

Conversions Part 2

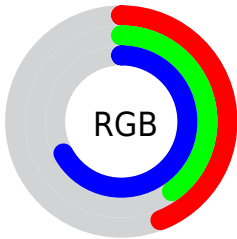
Format	Color
R_{YB}	111, 103, 170
Decimal	7301034
CIE _{Lab}	47.00, 19.27, -34.86
CIE _{LCh}	47, 39.829, 298.927
Yxy	16.0195, 0.2496, 0.2138
Android (android.graphics.Color)	4285491114 (0xFF6F67AA)
YUV	113.0300, 28.0862, -1.7803
Hunter-Lab	40.0243, 13.3642, -31.5363

Details

The CIELCh color $47, 39.829, 298.927$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $68, 36.168, 111.828$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 40.090, 299.132$, and $27, 39.623, 299.068$ is the 20% darker color. If you saturate the color by 10%, you get $41, 50.892, 300.341$, and if you desaturate by 10%, it is $53, 29.132, 297.672$.

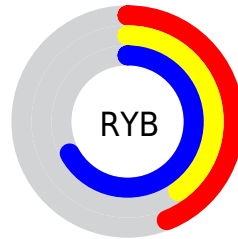
Distribution



Red (44%)

Green (40%)

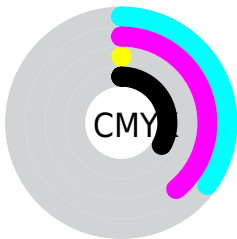
Blue (67%)



Red (44%)

Yellow (40%)

Blue (67%)

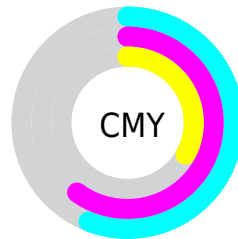


Cyan (35%)

Magenta (39%)

Yellow (0%)

Black (33%)



Cyan (56%)

Magenta (60%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 39.829, 298.927 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 47, 39.829, 298.927 by changing the saturation by 10% instead.

■ 47, 39.829,
298.927

■ 47, 39.829,
298.927

■ 100, 39.829,
298.927

■ 37, 39.829,
298.927

■ 67, 39.829,
298.927

■ 27, 39.829,
298.927

■ 77, 39.829,
298.927

■ 17, 39.829,
298.927

■ 87, 39.829,
298.927

■ 7, 39.829, 298.927

■ 97, 39.829,
298.927

■ 0, 39.829, 298.927

■ 47, 39.829,

■ 47, 39.829,

298.927

41, 50.892,
300.341

36, 62.192,
301.883

31, 73.389,
303.468

26, 83.768,
304.932

23, 92.137,
306.032

20, 97.769,
306.691

20, 98.099,
306.739

298.927

53, 29.132,
297.672

59, 18.840,
296.579

64, 8.948, 295.636

70, 0.564, 114.794

76, 9.720, 114.126

81, 18.545,
113.530

87, 27.060,
113.018

92, 35.287,
112.577

98, 42.632,

Harmonies

Complementary

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



47, 39.829, 298.927



68, 36.168, 111.828

Rectangle

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



47, 39.829, 298.927



47, 39.829, 348.927



47, 39.829, 118.927



47, 39.829, 168.927

Sweetspot

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



47, 39.828, 298.927



80, 14.272, 295.889



63, 19.917, 210.593



42, 9.565, 296.004



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



47, 39.828, 298.927



55, 59.938, 300.114



50, 41.664, 314.747



33, 5.346, 295.627



17, 88.428, 306.795



1, 9.592, 294.218

Inverse Universe

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



53, 41.473, 330.178



64, 60.645, 330.677



65, 40.041, 131.220



33, 5.922, 328.379



34, 70.222, 333.537



2, 10.432, 329.220

Previews

White Background



This preview shows how the CIELCh color 47, 39.829, 298.927 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 47, 39.829, 298.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

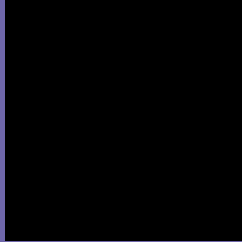
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 39.829, 298.927

Background



This preview shows how black text looks on a background with the CIELCh color 47, 39.829, 298.927.

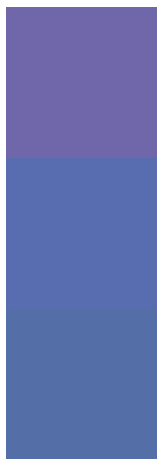


This preview shows how white text looks on a background with the CIELCh color 47, 39.829, 298.927.

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

47, 39.829, 298.927

Protanopia

47, 39.231, 285.819

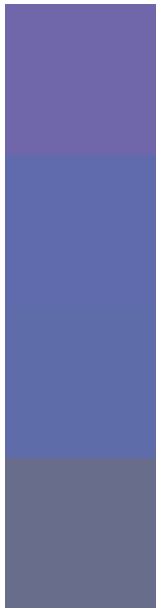
Deuteranopia

47, 34.246, 280.956



Tritanopia
47, 6.940, 249.438

Trichromacy



Original Color
47, 39.829, 298.927

Protanomaly
47, 39.052, 290.333

Deuteranomaly
47, 36.174, 288.063

Tritanomaly
47, 18.403, 288.168

Monochromacy



Original Color
47, 39.829, 298.927

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 14.886, 296.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 39.829, 298.927 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(111, 103, 170)` looks like.

```
.text, #text, p{  
    color:rgb(111, 103, 170)  
}
```

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(111, 103, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 103, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 39.829, 298.927 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(111, 103, 170) }
```

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

```
.border{ border-color:rgb(111, 103, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 103, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 103, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 103, 170);  
box-shadow:4px 4px 4px 4px rgb(111, 103,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 39.829, 298.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 103, 170) }
```

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

```
.background{ background-color: rgb(111,  
103, 170) }
```

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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