

Converting Colors

CIELCh(47, 39.316, 310.369)

Have a look what the booklet for
CIELCh(47, 39.316, 310.369)
contains.

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Color

CIELCh(47, 39.425, 310.502)

Conversions

Conversions Part 1

Format	Color
Hex	8162A2
RGB	129, 98, 162
RGB Percent	51%, 38%, 64%
CMY	0.4940, 0.6156, 0.3646
CMYK	0.20, 0.39, 0.00, 0.36
HSL	269°, 26%, 51%
HSV	269°, 39%, 64%
XYZ	19.9520, 16.0195, 36.2367
YIQ	114.5650, -2.0680, 26.4760

Conversions

Conversions Part 2

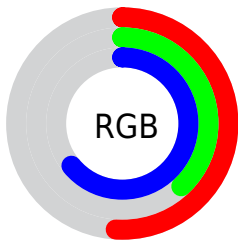
Format	Color
R _Y B	129, 98, 162
Decimal	8479394
CIE _{Lab}	47.00, 25.61, -29.98
CIE _{LCh}	47, 39.425, 310.502
Yxy	16.0195, 0.2763, 0.2219
Android (android.graphics.Color)	4286669474 (0xFF8162A2)
YUV	114.5650, 23.3855, 12.6595
Hunter-Lab	40.0243, 18.9394, -25.6622

Details

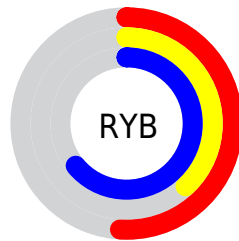
The CIELCh color $47, 39.425, 310.502$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 37.209, 126.691$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 39.456, 310.603$, and $27, 39.217, 310.352$ is the 20% darker color. If you saturate the color by 10%, you get $42, 49.751, 311.051$, and if you desaturate by 10%, it is $52, 29.131, 309.953$.

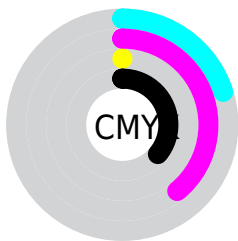
Distribution



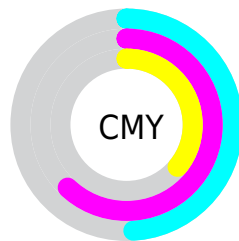
- Red (51%)
- Green (38%)
- Blue (64%)



- Red (51%)
- Yellow (38%)
- Blue (64%)



- Cyan (20%)
- Magenta (39%)
- Yellow (0%)
- Black (36%)





- Cyan (49%)
- Magenta (62%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 39.425, 310.502 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, 39.425, 310.502 by changing the saturation by 10% instead.


 47, 39.425,
310.502


 47, 39.425,
310.502


 100, 39.425,
310.502


 37, 39.425,
310.502

 67, 39.425,
310.502


 27, 39.425,
310.502

 77, 39.425,
310.502

 17, 39.425,
310.502

 87, 39.425,
310.502

 7, 39.425, 310.502

 97, 39.425,
310.502

 0, 39.425, 310.502

 47, 39.425,

 47, 39.425,

310.502

42, 49.751,
311.051

38, 59.873,
311.557

34, 69.400,
311.959

30, 77.767,
312.166

27, 84.277,
312.064

25, 88.860,
311.675

24, 89.090,
311.660

310.502

52, 29.131,
309.953

57, 19.009,
309.426

62, 9.133, 308.934

67, 0.466, 128.708

72, 9.774, 128.112

77, 18.793,
127.753

82, 27.532,
127.439

87, 36.001,
127.165

92, 44.216,

Harmonies

Complementary

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



47, 39.425, 310.502



63, 37.209, 126.691

Rectangle

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



47, 39.425, 310.502



47, 39.425, 0.502



47, 39.425, 130.502



47, 39.425, 180.502

Sweetspot

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



47, 39.424, 310.502



77, 14.395, 309.065



53, 20.495, 260.134



40, 9.641, 309.124



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 39.424, 310.502



56, 58.669, 310.964



51, 43.145, 326.026



32, 5.469, 308.923



21, 82.189, 311.763



1, 8.331, 306.899

Inverse Universe

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



50, 31.476, 346.568



60, 46.239, 347.640



61, 43.168, 141.162



32, 4.462, 343.520



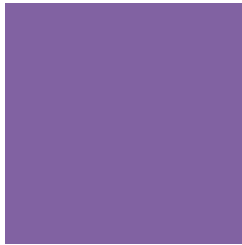
31, 56.021, 359.672



1, 6.646, 345.460

Previews

White Background



This preview shows how the CIELCh color 47, 39.425, 310.502 looks on a white background.

Color Contrast Check

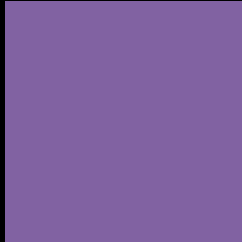
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 39.425, 310.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

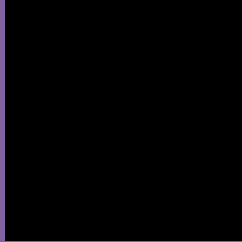
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 39.425, 310.502

Background



This preview shows how black text looks on a background with the CIELCh color 47, 39.425, 310.502.

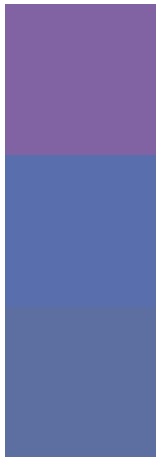


This preview shows how white text looks on a background with the CIELCh color 47, 39.425, 310.502.

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, 39.425, 310.502

Protanopia

47, 36.862, 285.134

Deuteranopia

47, 29.285, 282.646



Tritanopia
47, 7.118, 338.652

Trichromacy



Original Color
47, 39.425, 310.502

Protanomaly
47, 36.683, 293.931

Deuteranomaly
47, 32.598, 294.431

Tritanomaly
47, 18.911, 316.294

Monochromacy



Original Color
47, 39.425, 310.502

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 14.303, 309.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 39.425, 310.502 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(129, 98, 162)` looks like.

```
.text, #text, p{  
    color:rgb(129, 98, 162)  
}
```

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(129, 98, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 98, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 39.425, 310.502 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(129, 98, 162) }
```

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

```
.border{ border-color:rgb(129, 98, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 98, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 98, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 98, 162);  
box-shadow:4px 4px 4px 4px rgb(129, 98,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 39.425, 310.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 98, 162) }
```

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

```
.background{ background-color: rgb(129, 98,  
162) }
```

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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