

Converting Colors

CIELCh(47, 53.941, 316.854)

Have a look what the booklet for
CIELCh(47, 53.941, 316.854)
contains.

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Color

CIELCh(47, 53.597, 316.610)

Conversions

Conversions Part 1

Format	Color
Hex	9158AE
RGB	145, 88, 174
RGB Percent	57%, 35%, 68%
CMY	0.4319, 0.6553, 0.3181
CMYK	0.17, 0.49, 0.00, 0.32
HSL	280°, 35%, 51%
HSV	280°, 49%, 68%
XYZ	22.7622, 16.0195, 41.8716
YIQ	114.8470, 6.3660, 38.8300

Conversions

Conversions Part 2

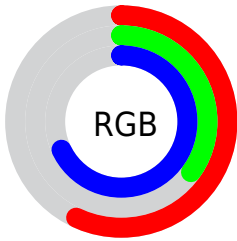
Format	Color
RYB	145, 88, 174
Decimal	9525422
CIELab	47.00, 38.95, -36.82
CIELCh	47, 53.597, 316.610
Yxy	16.0195, 0.2822, 0.1986
Android (android.graphics.Color)	4287715502 (0xFF9158AE)
YUV	114.8470, 29.1624, 26.4442
Hunter-Lab	40.0243, 31.4722, -34.0094

Details

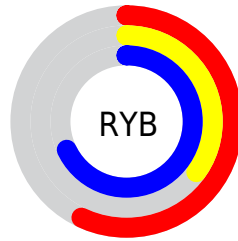
The CIELCh color $47, 53.597, 316.610$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $66, 51.399, 132.157$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 53.426, 316.710$, and $27, 53.545, 316.564$ is the 20% darker color. If you saturate the color by 10%, you get $43, 63.876, 316.926$, and if you desaturate by 10%, it is $52, 42.798, 316.218$.

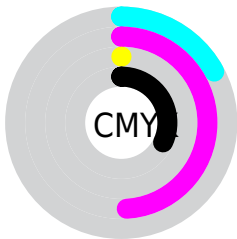
Distribution



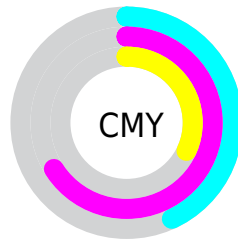
- Red (57%)
- Green (35%)
- Blue (68%)



- Red (57%)
- Yellow (35%)
- Blue (68%)



- Cyan (17%)
- Magenta (49%)
- Yellow (0%)
- Black (32%)





- Cyan (43%)
- Magenta (66%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 53.597, 316.610 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, 53.597, 316.610 by changing the saturation by 10% instead.


 47, 53.597,
316.610


 47, 53.597,
316.610


 100, 53.597,
316.610


 37, 53.597,
316.610

 67, 53.597,
316.610


 27, 53.597,
316.610

 77, 53.597,
316.610

 17, 53.597,
316.610

 87, 53.597,
316.610

 7, 53.597, 316.610

 97, 53.597,
316.610

 0, 53.597, 316.610

 47, 53.597,

 47, 53.597,

316.610

43, 63.876,
316.926

39, 73.185,
317.112

36, 80.962,
317.101

33, 86.646,
316.823

31, 90.283,
316.287

31, 90.475,
316.259

316.610

52, 42.798,
316.218

56, 31.806,
315.789

61, 20.837,
315.350


66, 10.021,
314.914

71, 0.563, 134.794

76, 10.875,
134.157

81, 20.897,
133.800

87, 30.625,
133.480

 92, 40.064,
133.192

Harmonies

Complementary

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



47, 53.597, 316.610



66, 51.399, 132.157

Rectangle

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



47, 53.597, 316.610



47, 53.597, 6.610



47, 53.597, 136.610



47, 53.597, 186.610

Sweetspot

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



47, 53.596, 316.610



81, 19.870, 315.167



50, 33.488, 278.700



42, 13.694, 315.257



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



47, 53.596, 316.610



55, 78.658, 316.941



50, 51.100, 331.866



34, 5.987, 314.908



26, 81.273, 316.376



1, 12.240, 311.443

Inverse Universe

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



49, 38.312, 359.729



58, 56.172, 2.003



64, 51.307, 144.623



34, 4.201, 354.232



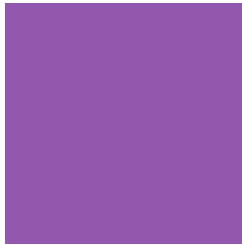
31, 57.998, 16.688



2, 8.442, 357.707

Previews

White Background



This preview shows how the CIELCh color 47, 53.597, 316.610 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, 53.597, 316.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

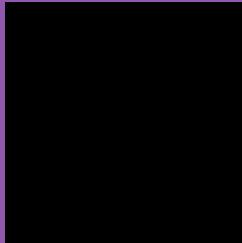
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 53.597, 316.610

Background



This preview shows how black text looks on a background with the CIELCh color 47, 53.597, 316.610.

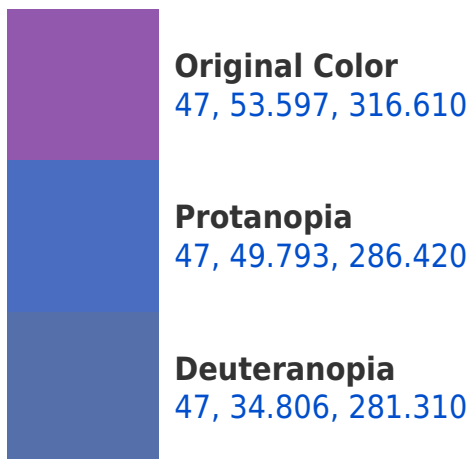


This preview shows how white text looks on a background with the CIELCh color 47, 53.597, 316.610.

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





Tritanopia
47, 14.159, 1.915

Trichromacy



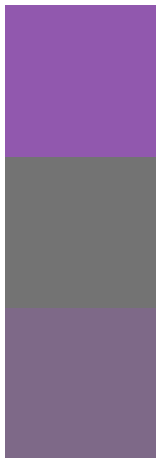
Original Color
47, 53.597, 316.610

Protanomaly
46, 50.314, 296.232

Deuteranomaly
47, 40.356, 296.707

Tritanomaly
47, 26.474, 329.639

Monochromacy



Original Color
47, 53.597, 316.610

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 20.095, 315.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 53.597, 316.610 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(145, 88, 174)` looks like.

```
.text, #text, p{  
    color:rgb(145, 88, 174)  
}
```

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(145, 88, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 88, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 53.597, 316.610 is called "border". The border property can be set on classes, ids or directly on the HTML element.

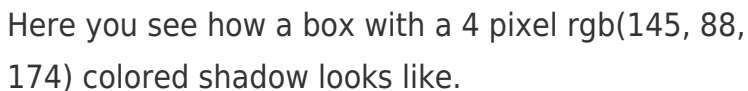
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 88, 174) }
```

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

```
.border{ border-color:rgb(145, 88, 174) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 88, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 88, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 88, 174); box-shadow:4px 4px 4px 4px rgb(145, 88, 174) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 53.597, 316.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 88, 174) }
```

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

```
.background{ background-color: rgb(145, 88,  
174) }
```

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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