

Converting Colors

CIELCh(47, 82.371, 316.203)

Have a look what the booklet for
CIELCh(47, 82.371, 316.203)
contains.

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Color

CIELCh(47, 82.297, 316.068)

Conversions

Conversions Part 1

Format	Color
Hex	9D45D1
RGB	157, 69, 209
RGB Percent	62%, 27%, 82%
CMY	0.3844, 0.7295, 0.1805
CMYK	0.25, 0.67, 0.00, 0.18
HSL	278°, 60%, 54%
HSV	278°, 67%, 82%
XYZ	27.5296, 16.0195, 61.9419
YIQ	111.2720, 7.5080, 62.1960

Conversions

Conversions Part 2

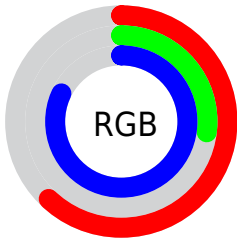
Format	Color
R_{YB}	157, 69, 209
Decimal	10307025
CIE _{Lab}	47.00, 59.27, -57.10
CIE _{LCh}	47, 82.297, 316.068
Yxy	16.0195, 0.2610, 0.1519
Android (android.graphics.Color)	4288497105 (0xFF9D45D1)
YUV	111.2720, 48.1799, 40.1035
Hunter-Lab	40.0243, 52.7337, -63.7406

Details

The CIELCh color **47, 82.297, 316.068** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **76, 77.276, 130.453**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 76.693, 317.797**, and **27, 82.391, 316.074** is the 20% darker color. If you saturate the color by 10%, you get **43, 91.865, 316.114**, and if you desaturate by 10%, it is **52, 71.099, 315.830**.

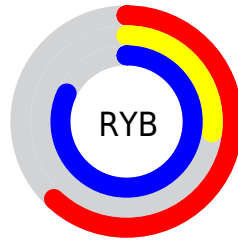
Distribution



Red (62%)

Green (27%)

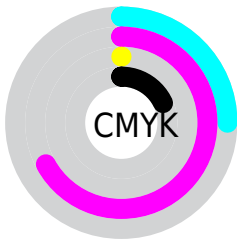
Blue (82%)



Red (62%)

Yellow (27%)

Blue (82%)

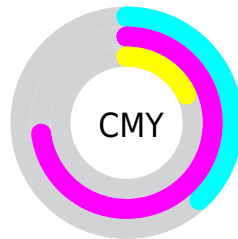


Cyan (25%)

Magenta (67%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (73%)

Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 82.297, 316.068 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, 82.297, 316.068 by changing the saturation by 10% instead.

 47, 82.297,
316.068

 47, 82.297,
316.068

 100, 82.297,
316.068

 37, 82.297,
316.068

 67, 82.297,
316.068

 27, 82.297,
316.068

 77, 82.297,
316.068

 17, 82.297,
316.068

 87, 82.297,
316.068

 7, 82.297, 316.068

 97, 82.297,
316.068

 0, 82.297, 316.068

 47, 82.297,

 47, 82.297,

316.068

316.068

■ 43, 91.865,
316.114

■ 52, 71.099,
315.830

■ 40, 99.088,
315.884

■ 57, 58.936,
315.471

■ 37, 103.503,
315.317

■ 62, 46.312,
315.046

■ 37, 104.566,
315.123

■ 68, 33.570,
314.595

■ 74, 20.928,
314.143

■ 80, 8.515, 313.699

■ 86, 3.598, 133.358

■ 92, 15.376,
132.949

■ 97, 25.589,
132.092

Harmonies

Complementary

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



47, 82.297, 316.068



76, 77.276, 130.453

Rectangle

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



47, 82.297, 316.068



47, 82.297, 6.068



47, 82.297, 136.068



47, 82.297, 186.068

Sweetspot

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



47, 82.296, 316.068



86, 29.048, 314.288



52, 50.866, 281.485



44, 19.874, 314.417



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 82.296, 316.068



51, 110.408, 316.061



54, 77.399, 331.717



41, 6.931, 313.806



29, 88.907, 315.284



3, 27.662, 312.776

Inverse Universe

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



51, 58.984, 1.421



57, 78.045, 5.996



75, 79.325, 141.275



41, 5.000, 352.019



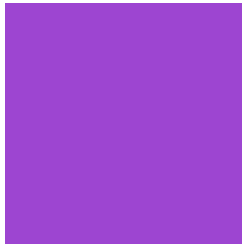
35, 62.454, 14.016



5, 20.824, 1.755

Previews

White Background



This preview shows how the CIELCh color 47, 82.297, 316.068 looks on a white background.

Color Contrast Check

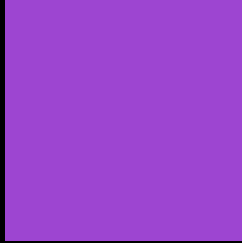
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.297, 316.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

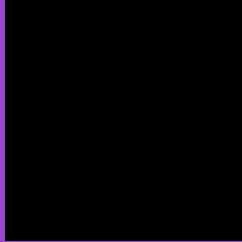
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 82.297, 316.068

Background



This preview shows how black text looks on a background with the CIELCh color 47, 82.297, 316.068.

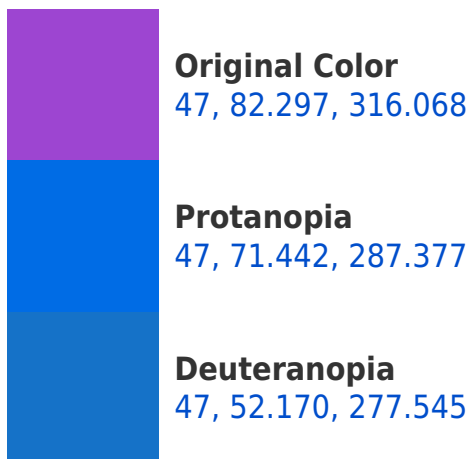



This preview shows how white text looks on a background with the CIELCh color 47, 82.297, 316.068.

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, 16.970, 7.719

Trichromacy



Original Color
47, 82.297, 316.068



Protanomaly
44, 75.792, 294.281



Deuteranomaly
45, 62.378, 292.247



Tritanomaly
46, 38.897, 326.968

Monochromacy



Original Color
47, 82.297, 316.068



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 32.547, 314.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 82.297, 316.068 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(157, 69, 209)` looks like.

```
.text, #text, p{  
    color:rgb(157, 69, 209)  
}
```

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(157, 69, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 69, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 82.297, 316.068 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(157, 69, 209) }
```

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

```
.border{ border-color:rgb(157, 69, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 69, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 69, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 69, 209);  
box-shadow:4px 4px 4px 4px rgb(157, 69,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 82.297, 316.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 69, 209) }
```

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

```
.background{ background-color: rgb(157, 69,  
209) }
```

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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