

Converting Colors

CIELCh(47, 80.784, 315.372)

Have a look what the booklet for
CIELCh(47, 80.784, 315.372)
contains.

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Color

CIELCh(47, 80.784, 315.372)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 9A47D0 |
| RGB | 154, 71, 208 |
| RGB Percent | 60%, 28%, 82% |
| CMY | 0.3948, 0.7203, 0.1830 |
| CMYK | 0.26, 0.66, 0.00, 0.18 |
| HSL | 276°, 59%, 55% |
| HSV | 276°, 66%, 82% |
| XYZ | 27.0889, 16.0195, 61.5534 |
| YIQ | 111.4350, 5.4910, 60.2030 |

Conversions

Conversions Part 2

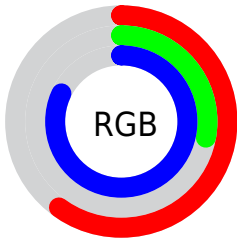
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 154, 71, 208 |
| Decimal | 10110928 |
| CIELab | 47.00, 57.49, -56.75 |
| CIELCh | 47, 80.784, 315.372 |
| Yxy | 16.0195, 0.2588, 0.1531 |
| Android (android.graphics.Color) | 4288301008 (0xFF9A47D0) |
| YUV | 111.4350, 47.6065, 37.3295 |
| Hunter-Lab | 40.0243, 50.7683, -63.1651 |

Details

The CIELCh color **47, 80.784, 315.372** 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, 75.430, 129.800**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 75.354, 316.909**, and **27, 81.010, 315.384** is the 20% darker color. If you saturate the color by 10%, you get **43, 90.711, 315.465**, and if you desaturate by 10%, it is **52, 69.364, 315.095**.

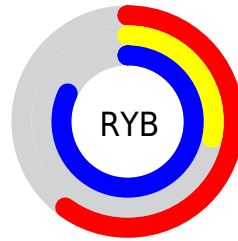
Distribution



Red (60%)

Green (28%)

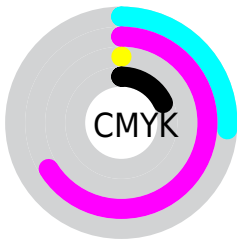
Blue (82%)



Red (60%)

Yellow (28%)

Blue (82%)

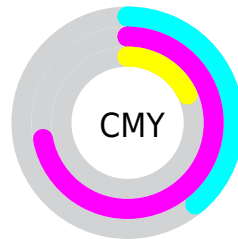


Cyan (26%)

Magenta (66%)

Yellow (0%)

Black (18%)



Cyan (39%)


Magenta (72%)

Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 80.784, 315.372 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, 80.784, 315.372 by changing the saturation by 10% instead.


 47, 80.784,
315.372


 47, 80.784,
315.372


 100, 80.784,
315.372


 37, 80.784,
315.372

 67, 80.784,
315.372


 27, 80.784,
315.372

 77, 80.784,
315.372

 17, 80.784,
315.372

 87, 80.784,
315.372

 7, 80.784, 315.372

 97, 80.784,
315.372

 0, 80.784, 315.372

 47, 80.784,

 47, 80.784,

315.372

43, 90.711,
315.465

39, 98.406,
315.287

37, 103.276,
314.760

36, 104.819,
314.484

315.372

52, 69.364,
315.095

57, 57.102,
314.708

63, 44.472,
314.264


68, 31.788,
313.801

74, 19.246,
313.343

80, 6.958, 312.895

86, 5.017, 132.545

92, 16.652,
132.154

 97, 25.677,
130.793

Harmonies

Complementary

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



47, 80.784, 315.372



76, 75.430, 129.800

Rectangle

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



47, 80.784, 315.372



47, 80.784, 5.372



47, 80.784, 135.372



47, 80.784, 185.372

Sweetspot

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



47, 80.783, 315.372



86, 28.907, 313.546



53, 48.516, 279.684



44, 19.781, 313.677



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, 80.783, 315.372



51, 109.732, 315.429



54, 77.086, 331.024



41, 6.894, 313.059



29, 89.319, 314.646



3, 27.469, 311.793

Inverse Universe

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



51, 58.292, 359.372



58, 77.632, 3.720



74, 78.815, 141.000



41, 5.067, 350.582



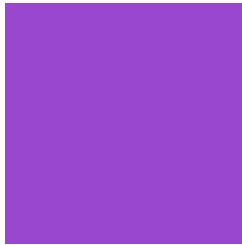
36, 62.147, 11.839



5, 20.958, 0.460

Previews

White Background



This preview shows how the CIELCh color 47, 80.784, 315.372 looks on a white background.

Color Contrast Check

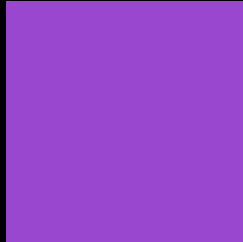
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.784, 315.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

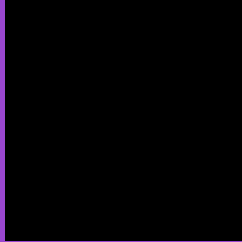
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 80.784, 315.372

Background



This preview shows how black text looks on a background with the CIELCh color 47, 80.784, 315.372.



This preview shows how white text looks on a background with the CIELCh color 47, 80.784, 315.372.

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, 80.784, 315.372

Protanopia

47, 71.442, 287.377

Deuteranopia

47, 52.138, 277.682



Tritanopia
47, 15.804, 4.268

Trichromacy



Original Color
47, 80.784, 315.372



Protanomaly
45, 74.619, 293.754



Deuteranomaly
45, 62.358, 292.417



Tritanomaly
46, 37.695, 325.347

Monochromacy



Original Color
47, 80.784, 315.372



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 31.743, 313.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 80.784, 315.372 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(154, 71, 208)` looks like.

```
.text, #text, p{  
    color:rgb(154, 71, 208)  
}
```

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(154, 71, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 71, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 80.784, 315.372 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(154, 71, 208) }
```

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

```
.border{ border-color:rgb(154, 71, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 71, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 71, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 71, 208);  
box-shadow:4px 4px 4px 4px rgb(154, 71,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 80.784, 315.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 71, 208) }
```

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

```
.background{ background-color: rgb(154, 71,  
208) }
```

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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