

Converting Colors

CIELCh(47, 75.579, 320.397)

Have a look what the booklet for
CIELCh(47, 75.579, 320.397)
contains.

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Color

CIELCh(47, 75.822, 320.351)

Conversions

Conversions Part 1

Format	Color
Hex	A544C2
RGB	165, 68, 194
RGB Percent	65%, 27%, 76%
CMY	0.3531, 0.7334, 0.2393
CMYK	0.15, 0.65, 0.00, 0.24
HSL	286°, 51%, 51%
HSV	286°, 65%, 76%
XYZ	27.3088, 16.0195, 52.6721
YIQ	111.3670, 17.3660, 59.7500

Conversions

Conversions Part 2

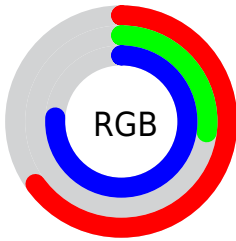
Format	Color
R_{YB}	165, 68, 194
Decimal	10831042
CIE _{Lab}	47.00, 58.38, -48.38
CIE _{LCh}	47, 75.822, 320.351
Yxy	16.0195, 0.2845, 0.1669
Android (android.graphics.Color)	4289021122 (0xFFA544C2)
YUV	111.3670, 40.7381, 47.0361
Hunter-Lab	40.0243, 51.7490, -50.0088

Details

The CIELCh color **47, 75.822, 320.351** 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 **71, 73.911, 134.266**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 75.986, 320.456**, and **27, 75.569, 320.128** is the 20% darker color. If you saturate the color by 10%, you get **44, 84.479, 320.416**, and if you desaturate by 10%, it is **51, 65.540, 320.131**.

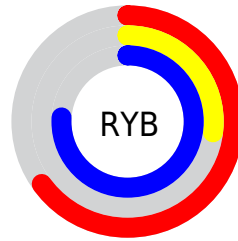
Distribution



Red (65%)

Green (27%)

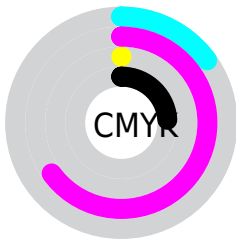
Blue (76%)



Red (65%)

Yellow (27%)

Blue (76%)

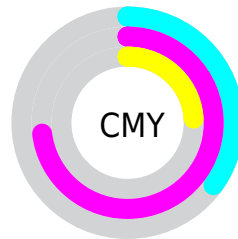


Cyan (15%)

Magenta (65%)

Yellow (0%)

Black (24%)



Cyan (35%)


Magenta (73%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 75.822, 320.351 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, 75.822, 320.351 by changing the saturation by 10% instead.


 47, 75.822,
320.351


 47, 75.822,
320.351


 100, 75.822,
320.351


 37, 75.822,
320.351

 67, 75.822,
320.351


 27, 75.822,
320.351

 77, 75.822,
320.351

 17, 75.822,
320.351

 87, 75.822,
320.351

 7, 75.822, 320.351

 97, 75.822,
320.351

 0, 75.822, 320.351

 47, 75.822,

 47, 75.822,

320.351

44, 84.479,
320.416

41, 90.963,
320.274

39, 94.919,
319.885

38, 96.314,
319.634

320.351

51, 65.540,
320.131

55, 54.199,
319.803

60, 42.267,
319.409

65, 30.091,
318.980

70, 17.913,
318.536

76, 5.885, 318.080

81, 5.898, 137.727

87, 17.385,
137.310

■ 92, 28.551,
136.936

Harmonies

Complementary

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



47, 75.822, 320.351



71, 73.911, 134.266

Rectangle

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



47, 75.822, 320.351



47, 75.822, 10.351



47, 75.822, 140.351



47, 75.822, 190.351

Sweetspot

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



47, 75.820, 320.351



87, 28.277, 318.730



44, 57.696, 290.807



45, 19.658, 318.859



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, 75.820, 320.351



55, 106.742, 320.383



50, 64.614, 338.024



38, 6.751, 318.285



31, 83.718, 319.743



3, 21.730, 316.144

Inverse Universe

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



48, 53.597, 11.744



57, 77.413, 16.961



70, 65.509, 146.244



38, 4.378, 1.794



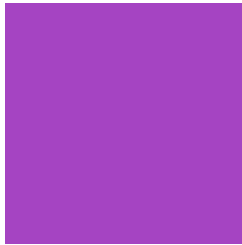
33, 64.209, 26.447



3, 14.374, 7.045

Previews

White Background



This preview shows how the CIELCh color 47, 75.822, 320.351 looks on a white background.

Color Contrast Check

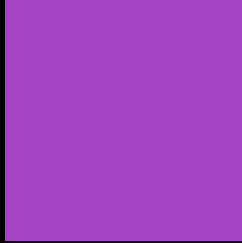
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.822, 320.351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

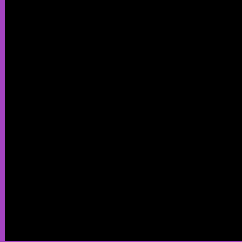
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 75.822, 320.351

Background



This preview shows how black text looks on a background with the CIELCh color 47, 75.822, 320.351.

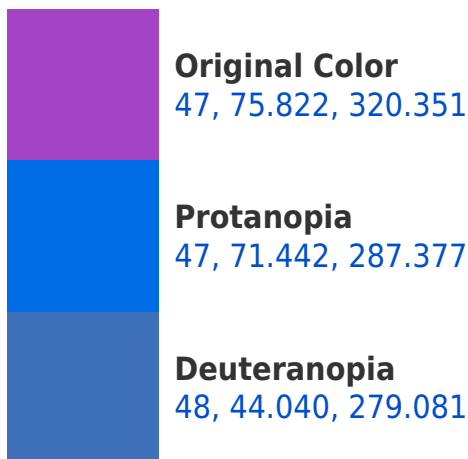


This preview shows how white text looks on a background with the CIELCh color 47, 75.822, 320.351.

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, 24.387, 13.220

Trichromacy



Original Color
47, 75.822, 320.351



Protanomaly
44, 73.046, 294.243



Deuteranomaly
46, 54.616, 297.975



Tritanomaly
46, 39.315, 337.470

Monochromacy



Original Color
47, 75.822, 320.351



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 30.485, 319.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 75.822, 320.351 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(165, 68, 194)` looks like.

```
.text, #text, p{  
    color:rgb(165, 68, 194)  
}
```

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(165, 68, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 68, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 75.822, 320.351 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(165, 68, 194) }
```

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

```
.border{ border-color:rgb(165, 68, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 68, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 68, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 68, 194);  
box-shadow:4px 4px 4px 4px rgb(165, 68,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 75.822, 320.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 68, 194) }
```

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

```
.background{ background-color: rgb(165, 68,  
194) }
```

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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