

Converting Colors

CIELCh(47, 99.912, 320.644)

Have a look what the booklet for
CIELCh(47, 99.912, 320.644)
contains.

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Color

CIELCh(47, 99.743, 320.729)

Conversions

Conversions Part 1

Format	Color
Hex	B423DC
RGB	180, 35, 220
RGB Percent	71%, 14%, 86%
CMY	0.2949, 0.8639, 0.1380
CMYK	0.18, 0.84, 0.00, 0.14
HSL	287°, 73%, 50%
HSV	287°, 84%, 86%
XYZ	32.2583, 16.0195, 68.9625
YIQ	99.4450, 27.0350, 88.2750

Conversions

Conversions Part 2

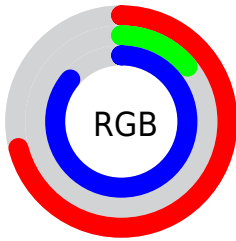
Format	Color
R_{YB}	180, 35, 220
Decimal	11805660
CIE _{Lab}	47.00, 77.22, -63.14
CIE _{LCh}	47, 99.743, 320.729
Yxy	16.0195, 0.2751, 0.1366
Android (android.graphics.Color)	4289995740 (0xFFB423DC)
YUV	99.4450, 59.4336, 70.6467
Hunter-Lab	40.0243, 73.8227, -74.1405

Details

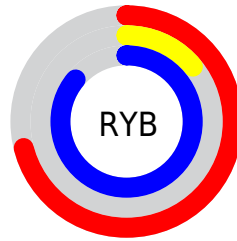
The CIELCh color **47, 99.743, 320.729** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **78, 98.266, 134.045**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 89.872, 324.436**, and **31, 85.450, 318.662** is the 20% darker color. If you saturate the color by 10%, you get **45, 104.046, 320.357**, and if you desaturate by 10%, it is **50, 92.627, 320.859**.

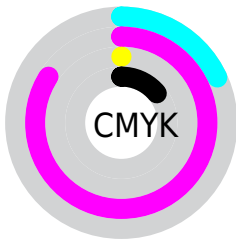
Distribution



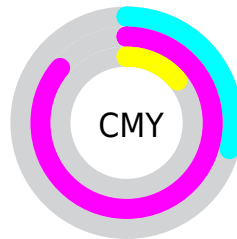
- Red (71%)
- Green (14%)
- Blue (86%)



- Red (71%)
- Yellow (14%)
- Blue (86%)



- Cyan (18%)
- Magenta (84%)
- Yellow (0%)
- Black (14%)



- Cyan (29%)
- Magenta (86%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 99.743, 320.729 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, 99.743, 320.729 by changing the saturation by 10% instead.


 47, 99.743,
320.729


 47, 99.743,
320.729


 100, 99.743,
320.729

 37, 99.743,
320.729

 67, 99.743,
320.729


 27, 99.743,
320.729

 77, 99.743,
320.729

 17, 99.743,
320.729

 87, 99.743,
320.729

 7, 99.743, 320.729

 97, 99.743,
320.729

 0, 99.743, 320.729

 47, 99.743,

 47, 99.743,

320.729

■ 45, 104.046,
320.357

■ 44, 105.565,
320.058

320.729

■ 50, 92.627,
320.859

■ 54, 83.083,
320.786

■ 58, 71.717,
320.559

■ 63, 59.156,
320.225

■ 68, 45.925,
319.825

■ 74, 32.417,
319.389

■ 79, 18.902,
318.939

■ 85, 5.555, 318.471

Harmonies

Complementary

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



47, 99.743, 320.729



78, 98.266, 134.045

Rectangle

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



47, 99.743, 320.729



47, 99.743, 10.729



47, 99.743, 140.729



47, 99.743, 190.729

Sweetspot

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



47, 99.742, 320.729



84, 37.775, 319.434



39, 87.179, 297.703



42, 25.806, 319.590



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, 99.742, 320.729



51, 118.131, 319.995



51, 81.251, 341.280



43, 7.505, 318.721



35, 88.398, 320.178



5, 33.434, 320.510

Inverse Universe

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



48, 73.757, 20.659



54, 92.897, 29.409



77, 87.081, 143.386



43, 4.823, 2.855



36, 68.718, 27.935



5, 23.757, 10.928

Previews

White Background



This preview shows how the CIELCh color 47, 99.743, 320.729 looks on a white background.

Color Contrast Check

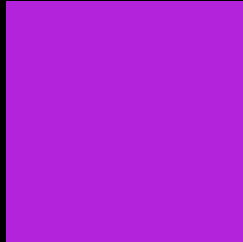
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.743, 320.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

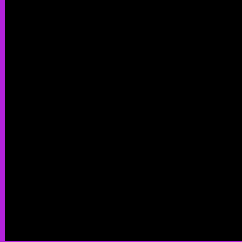
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 99.743, 320.729

Background



This preview shows how black text looks on a background with the CIELCh color 47, 99.743, 320.729.

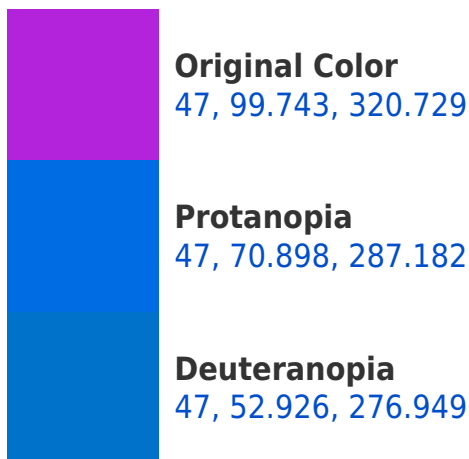


This preview shows how white text looks on a background with the CIELCh color 47, 99.743, 320.729.

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, 31.595, 16.687

Trichromacy



Original Color
47, 99.743, 320.729



Protanomaly
42, 85.515, 298.834



Deuteranomaly
41, 73.617, 296.516



Tritanomaly
45, 53.063, 337.271

Monochromacy



Original Color
47, 99.743, 320.729



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 44.072, 320.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 99.743, 320.729 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(180, 35, 220)` looks like.

```
.text, #text, p{  
    color:rgb(180, 35, 220)  
}
```

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(180, 35, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 35, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 99.743, 320.729 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(180, 35, 220) }
```

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

```
.border{ border-color:rgb(180, 35, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 35, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 35, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 35, 220);  
box-shadow:4px 4px 4px 4px rgb(180, 35,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 99.743, 320.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 35, 220) }
```

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

```
.background{ background-color: rgb(180, 35,  
220) }
```

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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