

Converting Colors

CIELCh(47, 82.609, 322.868)

Have a look what the booklet for
CIELCh(47, 82.609, 322.868)
contains.

CIELCh(47, 82.875, 322.759)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 82.875, 322.759)

Conversions

Conversions Part 1

Format	Color
Hex	AF38C5
RGB	175, 56, 197
RGB Percent	69%, 22%, 77%
CMY	0.3130, 0.7796, 0.2268
CMYK	0.11, 0.72, 0.00, 0.23
HSL	291°, 56%, 50%
HSV	291°, 72%, 77%
XYZ	29.2388, 16.0195, 54.4764
YIQ	107.6550, 25.6630, 69.0790

Conversions

Conversions Part 2

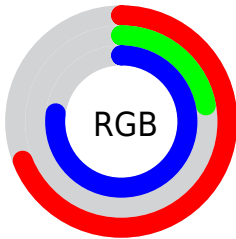
Format	Color
R_{YB}	175, 56, 197
Decimal	11483333
CIE _{Lab}	47.00, 65.98, -50.15
CIE _{LCh}	47, 82.875, 322.759
Yxy	16.0195, 0.2932, 0.1606
Android (android.graphics.Color)	4289673413 (0xFFAF38C5)
YUV	107.6550, 44.0471, 59.0616
Hunter-Lab	40.0243, 60.3562, -52.6817

Details

The CIELCh color **47, 82.875, 322.759** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **71, 82.310, 135.508**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 82.504, 322.872**, and **29, 75.803, 321.933** is the 20% darker color. If you saturate the color by 10%, you get **44, 89.820, 322.751**, and if you desaturate by 10%, it is **50, 73.818, 322.605**.

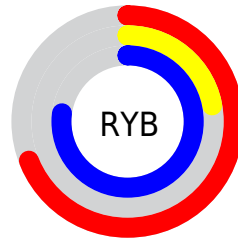
Distribution



Red (69%)

Green (22%)

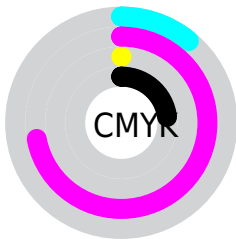
Blue (77%)



Red (69%)

Yellow (22%)

Blue (77%)

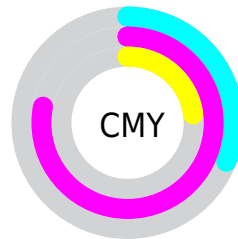


Cyan (11%)

Magenta (72%)

Yellow (0%)

Black (23%)



Cyan (31%)


Magenta (78%)

Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 82.875, 322.759 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, 82.875, 322.759 by changing the saturation by 10% instead.


 47, 82.875,
322.759


 47, 82.875,
322.759

 100, 82.875,
322.759


 37, 82.875,
322.759

 67, 82.875,
322.759


 27, 82.875,
322.759

 77, 82.875,
322.759

 17, 82.875,
322.759

 87, 82.875,
322.759

 7, 82.875, 322.759

 97, 82.875,
322.759

 0, 82.875, 322.759

 47, 82.875,

 47, 82.875,

322.759

■ 44, 89.820,
322.751

■ 43, 94.296,
322.551

■ 42, 96.469,
322.252

322.759

■ 50, 73.818,
322.605

■ 54, 63.183,
322.327

■ 59, 51.505,
321.961

■ 63, 39.237,
321.539

■ 68, 26.724,
321.086

■ 73, 14.207,
320.619

■ 79, 1.844, 320.060

■ 84, 10.265,
139.758

■ 90, 22.068,
139.326

Harmonies

Complementary

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



47, 82.875, 322.759



71, 82.310, 135.508

Rectangle

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



47, 82.875, 322.759



47, 82.875, 12.759



47, 82.875, 142.759



47, 82.875, 192.759

Sweetspot

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



47, 82.873, 322.759



86, 32.159, 321.078



39, 71.139, 296.037



44, 21.790, 321.207



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, 82.873, 322.759



56, 112.544, 322.659



48, 66.951, 342.305



39, 7.043, 320.518



34, 83.820, 322.329



4, 24.955, 320.418

Inverse Universe

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



46, 60.228, 19.779



55, 86.817, 26.595



71, 68.087, 147.588



39, 4.362, 7.434



34, 68.165, 32.037



3, 16.073, 11.372

Previews

White Background



This preview shows how the CIELCh color 47, 82.875, 322.759 looks on a white background.

Color Contrast Check

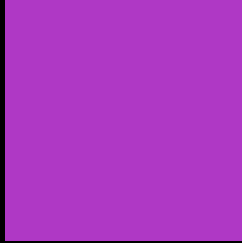
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.875, 322.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

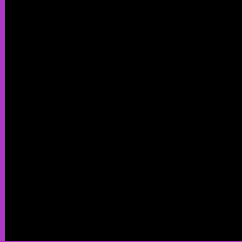
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 82.875, 322.759

Background



This preview shows how black text looks on a background with the CIELCh color 47, 82.875, 322.759.



This preview shows how white text looks on a background with the CIELCh color 47, 82.875, 322.759.

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, 82.875, 322.759

Protanopia

47, 71.442, 287.377

Deuteranopia

47, 45.244, 279.110



Tritanopia
47, 31.159, 17.533

Trichromacy



Original Color
47, 82.875, 322.759



Protanomaly
43, 76.084, 296.024



Deuteranomaly
45, 58.990, 300.295



Tritanomaly
46, 45.430, 342.552

Monochromacy



Original Color
47, 82.875, 322.759



Achromatopsia
46, 0.006, 296.813



Achromatomaly
44, 34.289, 321.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 82.875, 322.759 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(175, 56, 197)` looks like.

```
.text, #text, p{  
    color:rgb(175, 56, 197)  
}
```

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(175, 56, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 56, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 82.875, 322.759 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(175, 56, 197) }
```

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

```
.border{ border-color:rgb(175, 56, 197) }
```

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

Here you see how a box with a 4 pixel rgb(175, 56, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 56, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 56, 197);  
box-shadow:4px 4px 4px 4px rgb(175, 56,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 82.875, 322.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 56, 197) }
```

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

```
.background{ background-color: rgb(175, 56,  
197) }
```

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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