

Converting Colors

CIELCh(51, 75.207, 319.489)

Have a look what the booklet for
CIELCh(51, 75.207, 319.489)
contains.

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Color

CIELCh(51, 74.996, 319.476)

Conversions

Conversions Part 1

Format	Color
Hex	AE51CE
RGB	174, 81, 206
RGB Percent	68%, 32%, 81%
CMY	0.3186, 0.6832, 0.1931
CMYK	0.16, 0.61, 0.00, 0.19
HSL	285°, 56%, 56%
HSV	285°, 61%, 81%
XYZ	31.4415, 19.2686, 60.3064
YIQ	123.0570, 15.3030, 58.5910

Conversions

Conversions Part 2

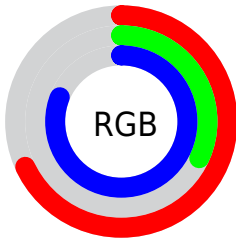
Format	Color
R_{YB}	174, 81, 206
Decimal	11424206
CIE _{Lab}	51.00, 57.01, -48.73
CIE _{LCh}	51, 74.996, 319.476
Yxy	19.2686, 0.2832, 0.1736
Android (android.graphics.Color)	4289614286 (0xFFAE51CE)
YUV	123.0570, 40.8909, 44.6770
Hunter-Lab	43.8960, 51.0367, -50.7281

Details

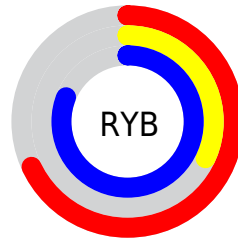
The CIELCh color **51, 74.996, 319.476** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **75, 72.693, 133.828**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 71.109, 321.099**, and **31, 74.933, 319.442** is the 20% darker color. If you saturate the color by 10%, you get **47, 84.953, 319.607**, and if you desaturate by 10%, it is **55, 63.621, 319.205**.

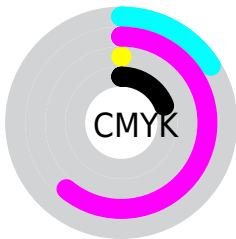
Distribution



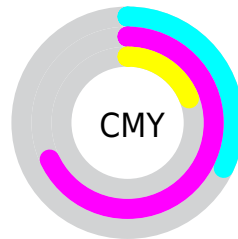
- Red (68%)
- Green (32%)
- Blue (81%)



- Red (68%)
- Yellow (32%)
- Blue (81%)



- Cyan (16%)
- Magenta (61%)
- Yellow (0%)
- Black (19%)





- Cyan (32%)
- Magenta (68%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 74.996, 319.476 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 51, 74.996, 319.476 by changing the saturation by 10% instead.


 51, 74.996,
319.476

 51, 74.996,
319.476


 100, 74.996,
319.476


 41, 74.996,
319.476


 71, 74.996,
319.476

 31, 74.996,
319.476

 81, 74.996,
319.476

 21, 74.996,
319.476

 91, 74.996,
319.476

 11, 74.996,
319.476

 1, 74.996, 319.476

 0, 74.996, 319.476

51, 74.996,
319.476

51, 74.996,
319.476

47, 84.953,
319.607

55, 63.621,
319.205

44, 92.872,
319.542

60, 51.396,
318.844

41, 98.233,
319.226

66, 38.756,
318.430

40, 101.110,
318.728

71, 26.008,
317.993

77, 13.354,
317.550

82, 0.920, 316.926

88, 11.223,
136.755

94, 23.039,
136.368

■ 97, 27.958,
134.444

Harmonies

Complementary

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



51, 74.996, 319.476



75, 72.693, 133.828

Rectangle

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



51, 74.996, 319.476



51, 74.996, 9.476



51, 74.996, 139.476



51, 74.996, 189.476

Sweetspot

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



51, 74.994, 319.476



88, 26.811, 317.882



50, 53.707, 287.727



45, 18.672, 318.012



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 74.994, 319.476



57, 103.106, 319.610



54, 65.817, 336.105



40, 6.994, 317.489



32, 86.035, 318.858



4, 26.368, 316.901

Inverse Universe

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



52, 52.783, 8.567



59, 73.690, 12.836



74, 66.538, 145.705



40, 4.618, 359.907



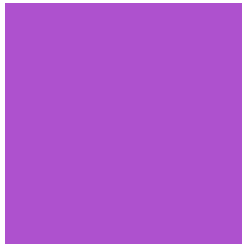
34, 64.793, 24.456



4, 18.386, 7.009

Previews

White Background



This preview shows how the CIELCh color 51, 74.996, 319.476 looks on a white background.

Color Contrast Check

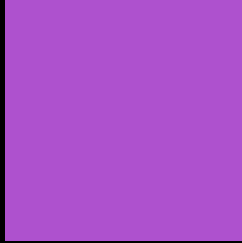
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 74.996, 319.476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

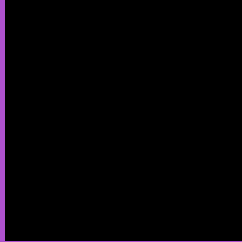
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 74.996, 319.476

Background



This preview shows how black text looks on a background with the CIELCh color 51, 74.996, 319.476.



This preview shows how white text looks on a background with the CIELCh color 51, 74.996, 319.476.

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

51, 74.996, 319.476

Protanopia

52, 72.062, 287.584

Deuteranopia

51, 45.076, 279.911



Tritanopia
51, 23.125, 10.965

Trichromacy



Original Color
51, 74.996, 319.476



Protanomaly
49, 72.769, 296.000



Deuteranomaly
50, 54.974, 297.927



Tritanomaly
50, 38.881, 335.660

Monochromacy



Original Color
51, 74.996, 319.476



Achromatopsia
52, 0.007, 296.813



Achromatomaly
50, 29.038, 318.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 74.996, 319.476 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(174, 81, 206)` looks like.

```
.text, #text, p{  
    color:rgb(174, 81, 206)  
}
```

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(174, 81, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 81, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 74.996, 319.476 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(174, 81, 206) }
```

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

```
.border{ border-color:rgb(174, 81, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 81, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 81, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 81, 206);  
box-shadow:4px 4px 4px 4px rgb(174, 81,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 74.996, 319.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 81, 206) }
```

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

```
.background{ background-color: rgb(174, 81,  
206) }
```

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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