

Converting Colors

CIELCh(51, 87.713, 316.827)

Have a look what the booklet for
CIELCh(51, 87.713, 316.827)
contains.

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Color

CIELCh(51, 87.936, 316.756)

Conversions

Conversions Part 1

Format	Color
Hex	AD4AE2
RGB	173, 74, 226
RGB Percent	68%, 29%, 89%
CMY	0.3216, 0.7098, 0.1138
CMYK	0.23, 0.67, 0.00, 0.11
HSL	279°, 72%, 59%
HSV	279°, 67%, 89%
XYZ	33.4039, 19.2686, 73.9011
YIQ	120.9290, 10.2120, 68.2600

Conversions

Conversions Part 2

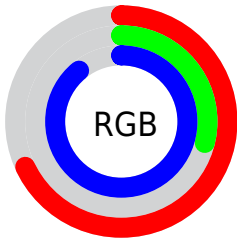
Format	Color
R_{YB}	173, 74, 226
Decimal	11356898
CIE Lab	51.00, 64.06, -60.25
CIE LCh	51, 87.936, 316.756
Yxy	19.2686, 0.2639, 0.1522
Android (android.graphics.Color)	4289546978 (0xFFAD4AE2)
YUV	120.9290, 51.8000, 45.6663
Hunter-Lab	43.8960, 59.0163, -69.0904

Details

The CIELCh color **51, 87.936, 316.756** 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 **82, 83.087, 131.095**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 74.552, 321.463**, and **31, 88.129, 316.787** is the 20% darker color. If you saturate the color by 10%, you get **47, 97.844, 316.773**, and if you desaturate by 10%, it is **56, 76.193, 316.542**.

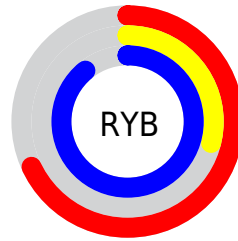
Distribution



Red (68%)

Green (29%)

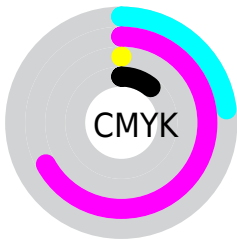
Blue (89%)



Red (68%)

Yellow (29%)

Blue (89%)

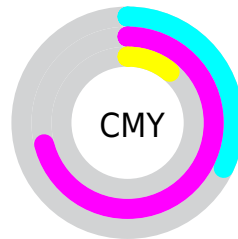


Cyan (23%)

Magenta (67%)

Yellow (0%)

Black (11%)



Cyan (32%)


Magenta (71%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 87.936, 316.756 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, 87.936, 316.756 by changing the saturation by 10% instead.


 51, 87.936,
316.756


 51, 87.936,
316.756


 100, 87.936,
316.756


 41, 87.936,
316.756


 71, 87.936,
316.756

 31, 87.936,
316.756

 81, 87.936,
316.756

 21, 87.936,
316.756

 91, 87.936,
316.756

 11, 87.936,
316.756

 1, 87.936, 316.756

 0, 87.936, 316.756

■ 51, 87.936,
316.756

■ 51, 87.936,
316.756

■ 47, 97.844,
316.773

■ 56, 76.193,
316.542

■ 44, 105.179,
316.514

■ 61, 63.330,
316.202

■ 41, 109.509,
315.924

■ 67, 49.905,
315.790

■ 41, 110.428,
315.739

■ 73, 36.303,
315.346

■ 79, 22.776,
314.897

■ 85, 9.475, 314.454

■ 92, 3.517, 134.116

■ 98, 16.156,
133.697

■ 99, 15.272,
124.283

Harmonies

Complementary

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



51, 87.936, 316.756



82, 83.087, 131.095

Rectangle

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



51, 87.936, 316.756



51, 87.936, 6.756



51, 87.936, 136.756



51, 87.936, 186.756

Sweetspot

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



51, 87.935, 316.756



86, 29.194, 315.026



54, 57.302, 284.256



44, 19.970, 315.153



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, 87.935, 316.756



51, 111.026, 316.700



57, 80.743, 333.068



44, 7.387, 314.551



31, 91.485, 315.909



5, 34.534, 315.999

Inverse Universe

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



55, 62.739, 3.341



57, 78.587, 8.325



80, 82.878, 142.115



44, 5.233, 353.505



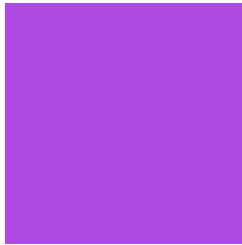
37, 65.015, 16.381



6, 25.479, 4.940

Previews

White Background



This preview shows how the CIELCh color 51, 87.936, 316.756 looks on a white background.

Color Contrast Check

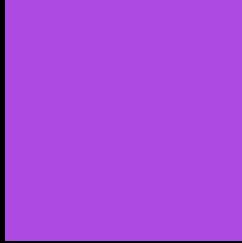
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 51, 87.936, 316.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

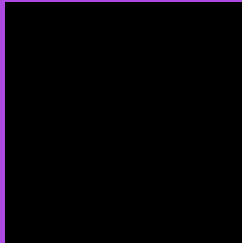
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 87.936, 316.756

Background



This preview shows how black text looks on a background with the CIELCh color 51, 87.936, 316.756.



This preview shows how white text looks on a background with the CIELCh color 51, 87.936, 316.756.

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, 87.936, 316.756

Protanopia
51, 76.739, 287.746

Deuteranopia
52, 55.407, 278.218



Tritanopia
51, 19.721, 8.425

Trichromacy



Original Color
51, 87.936, 316.756



Protanomaly
48, 81.693, 294.785



Deuteranomaly
49, 66.623, 293.560



Tritanomaly
50, 42.397, 328.822

Monochromacy



Original Color
51, 87.936, 316.756



Achromatopsia
51, 0.007, 296.813



Achromatomaly
49, 34.771, 315.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 87.936, 316.756 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(173, 74, 226)` looks like.

```
.text, #text, p{  
    color:rgb(173, 74, 226)  
}
```

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(173, 74, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 74, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 87.936, 316.756 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(173, 74, 226) }
```

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

```
.border{ border-color:rgb(173, 74, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 74, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 74, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 74, 226);  
box-shadow:4px 4px 4px 4px rgb(173, 74,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 87.936, 316.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 74, 226) }
```

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

```
.background{ background-color: rgb(173, 74,  
226) }
```

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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