

Converting Colors

CIELCh(49, 51.123, 333.673)

Have a look what the booklet for
CIELCh(49, 51.123, 333.673)
contains.

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Color

CIELCh(49, 51.277, 333.558)

Conversions

Conversions Part 1

Format	Color
Hex	AD549C
RGB	173, 84, 156
RGB Percent	68%, 33%, 61%
CMY	0.3220, 0.6710, 0.3886
CMYK	0.00, 0.51, 0.10, 0.32
HSL	311°, 35%, 50%
HSV	311°, 51%, 68%
XYZ	26.3646, 17.5941, 33.4139
YIQ	118.8190, 29.9320, 41.2600

Conversions

Conversions Part 2

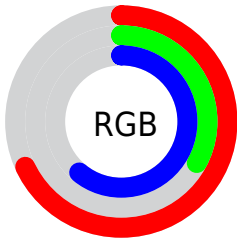
Format	Color
R_{YB}	173, 84, 156
Decimal	11359388
CIE _{Lab}	49.00, 45.91, -22.83
CIE _{LCh}	49, 51.277, 333.558
Yxy	17.5941, 0.3407, 0.2274
Android (android.graphics.Color)	4289549468 (0xFFAD549C)
YUV	118.8190, 18.3302, 47.5167
Hunter-Lab	41.9453, 38.7915, -17.8691

Details

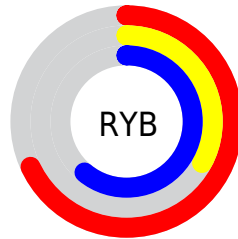
The CIELCh color `49, 51.277, 333.558` is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be `64, 51.450, 145.662`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 51.249, 333.357`, and `29, 51.394, 333.221` is the 20% darker color. If you saturate the color by 10%, you get `46, 59.456, 334.275`, and if you desaturate by 10%, it is `53, 42.040, 332.865`.

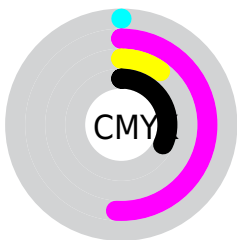
Distribution



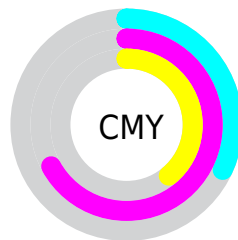
- Red (68%)
- Green (33%)
- Blue (61%)



- Red (68%)
- Yellow (33%)
- Blue (61%)



- Cyan (0%)
- Magenta (51%)
- Yellow (10%)
- Black (32%)





- Cyan (32%)
- Magenta (67%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 51.277, 333.558 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 49, 51.277, 333.558 by changing the saturation by 10% instead.


 49, 51.277,
333.558


 49, 51.277,
333.558


 100, 51.277,
333.558


 39, 51.277,
333.558

 69, 51.277,
333.558


 29, 51.277,
333.558

 79, 51.277,
333.558

 19, 51.277,
333.558

 89, 51.277,
333.558

 9, 51.277, 333.558

 99, 51.277,
333.558

 0, 51.277, 333.558

 49, 51.277,

 49, 51.277,

333.558

46, 59.456,
334.275

43, 66.136,
335.026

41, 70.911,
335.833

40, 73.550,
336.726

39, 74.503,
337.557

333.558

53, 42.040,
332.865

57, 32.160,
332.191

61, 21.961,
331.534


65, 11.684,
330.891

70, 1.492, 330.120

75, 8.512, 149.751

79, 18.268,
149.175

84, 27.745,
148.638

 89, 36.934,
148.132

Harmonies

Complementary

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



49, 51.277, 333.558



64, 51.450, 145.662

Rectangle

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



49, 51.277, 333.558



49, 51.277, 23.558



49, 51.277, 153.558



49, 51.277, 203.558

Sweetspot

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



49, 51.275, 333.558



81, 18.928, 331.134



41, 53.961, 302.381



42, 12.909, 331.265



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



49, 51.275, 333.558



59, 73.686, 334.393



47, 39.436, 1.617



34, 5.773, 330.751



34, 67.363, 337.431



2, 11.528, 332.763

Inverse Universe

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



49, 51.275, 333.558



59, 73.686, 334.393



65, 34.231, 169.271



34, 5.773, 330.751



34, 67.363, 337.431



2, 11.528, 332.763

Previews

White Background



This preview shows how the CIELCh color 49, 51.277, 333.558 looks on a white background.

Color Contrast Check

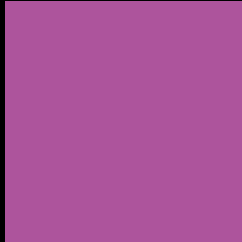
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 51.277, 333.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

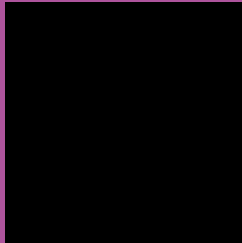
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 51.277, 333.558

Background



This preview shows how black text looks on a background with the CIELCh color 49, 51.277, 333.558.



This preview shows how white text looks on a background with the CIELCh color 49, 51.277, 333.558.

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
49, 51.277, 333.558

Protanopia
49, 38.335, 285.199

Deuteranopia
49, 21.164, 288.152



Tritanopia
49, 30.850, 16.246

Trichromacy



Original Color
49, 51.277, 333.558

Protanomaly
48, 40.042, 303.570

Deuteranomaly
48, 30.794, 313.603

Tritanomaly
49, 35.189, 355.361

Monochromacy



Original Color
49, 51.277, 333.558

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 20.028, 332.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 51.277, 333.558 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, 84, 156)` looks like.

```
.text, #text, p{  
    color:rgb(173, 84, 156)  
}
```

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, 84, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 84, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 51.277, 333.558 is called "border". The border property can be set on classes, ids or directly on the HTML element.

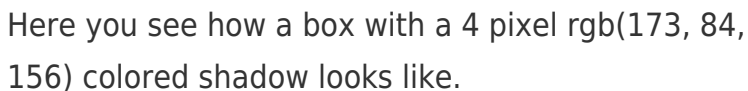
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 84, 156) }
```

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

```
.border{ border-color:rgb(173, 84, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 84, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 84, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 84, 156);  
box-shadow:4px 4px 4px 4px rgb(173, 84,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 51.277, 333.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 84, 156) }
```

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

```
.background{ background-color: rgb(173, 84,  
156) }
```

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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