

Converting Colors

CIELCh(48, 51.214, 335.412)

Have a look what the booklet for
CIELCh(48, 51.214, 335.412)
contains.

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Color

CIELCh(48, 51.507, 335.232)

Conversions

Conversions Part 1

Format	Color
Hex	AC5097
RGB	172, 80, 151
RGB Percent	67%, 31%, 59%
CMY	0.3248, 0.6856, 0.4072
CMYK	0.00, 0.53, 0.12, 0.32
HSL	314°, 36%, 49%
HSV	314°, 53%, 68%
XYZ	25.5356, 16.7945, 31.2490
YIQ	115.6020, 32.0410, 41.5850

Conversions

Conversions Part 2

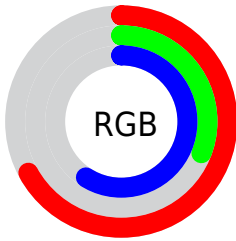
Format	Color
R_{YB}	172, 80, 151
Decimal	11292823
CIE _{Lab}	48.00, 46.77, -21.58
CIE _{LCh}	48, 51.507, 335.232
Yxy	16.7945, 0.3471, 0.2283
Android (android.graphics.Color)	4289482903 (0xFFAC5097)
YUV	115.6020, 17.4512, 49.4610
Hunter-Lab	40.9810, 39.5081, -16.5233

Details

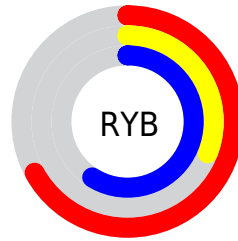
The CIELCh color `48, 51.507, 335.232` is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be `64, 51.621, 146.644`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `68, 51.239, 335.303`, and `28, 51.395, 335.120` is the 20% darker color. If you saturate the color by 10%, you get `45, 59.218, 336.045`, and if you desaturate by 10%, it is `52, 42.680, 334.468`.

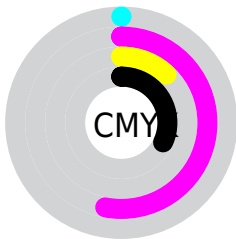
Distribution



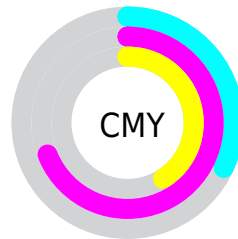
- Red (67%)
- Green (31%)
- Blue (59%)



- Red (67%)
- Yellow (31%)
- Blue (59%)



- Cyan (0%)
- Magenta (53%)
- Yellow (12%)
- Black (32%)





- Cyan (32%)
- Magenta (69%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 51.507, 335.232 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 48, 51.507, 335.232 by changing the saturation by 10% instead.


 48, 51.507,
335.232


 48, 51.507,
335.232


 100, 51.507,
335.232


 38, 51.507,
335.232

 68, 51.507,
335.232


 28, 51.507,
335.232

 78, 51.507,
335.232

 18, 51.507,
335.232

 88, 51.507,
335.232

 8, 51.507, 335.232

 98, 51.507,
335.232

 0, 51.507, 335.232

 48, 51.507,

 48, 51.507,

335.232

45, 59.218,
336.045

42, 65.373,
336.929

40, 69.584,
337.915

39, 71.668,
339.048

39, 72.277,
339.858

335.232

52, 42.680,
334.468

56, 33.160,
333.740

60, 23.284,
333.042

64, 13.300,
332.368

69, 3.379, 331.669

74, 6.368, 151.190

78, 15.878,
150.586

83, 25.120,
150.031

■ 88, 34.080,
149.509

Harmonies

Complementary

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



48, 51.507, 335.232



64, 51.621, 146.644

Rectangle

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



48, 51.507, 335.232



48, 51.507, 25.232



48, 51.507, 155.232



48, 51.507, 205.232

Sweetspot

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



48, 51.505, 335.232



80, 19.674, 332.558



40, 56.011, 303.531



41, 13.277, 332.691



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



48, 51.505, 335.232



58, 73.594, 336.190



46, 40.493, 4.504



34, 5.621, 332.092



34, 65.560, 339.701



2, 11.151, 334.570

Inverse Universe

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



48, 51.505, 335.232



58, 73.594, 336.190



64, 34.221, 171.391



34, 5.621, 332.092



34, 65.560, 339.701



2, 11.151, 334.570

Previews

White Background



This preview shows how the CIELCh color 48, 51.507, 335.232 looks on a white background.

Color Contrast Check

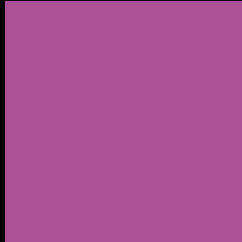
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 51.507, 335.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

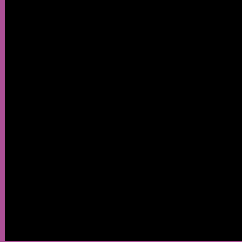
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 51.507, 335.232

Background



This preview shows how black text looks on a background with the CIELCh color 48, 51.507, 335.232.

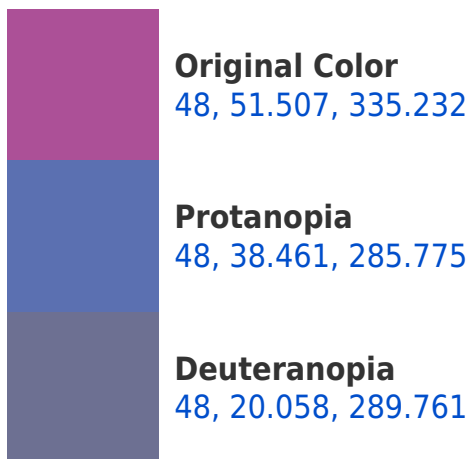


This preview shows how white text looks on a background with the CIELCh color 48, 51.507, 335.232.

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
48, 32.784, 17.089

Trichromacy



Original Color
48, 51.507, 335.232

Protanomaly
47, 40.964, 304.954

Deuteranomaly
47, 30.779, 316.026

Tritanomaly
48, 36.707, 357.086

Monochromacy



Original Color
48, 51.507, 335.232

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 20.109, 332.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 51.507, 335.232 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(172, 80, 151)` looks like.

```
.text, #text, p{  
    color:rgb(172, 80, 151)  
}
```

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(172, 80, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 80, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 51.507, 335.232 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(172, 80, 151) }
```

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

```
.border{ border-color:rgb(172, 80, 151) }
```

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

Here you see how a box with a 4 pixel rgb(172, 80, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 80, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 80, 151);  
box-shadow:4px 4px 4px 4px rgb(172, 80,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 51.507, 335.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 80, 151) }
```

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

```
.background{ background-color: rgb(172, 80,  
151) }
```

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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