

Converting Colors

CIELCh(50, 63.853, 323.126)

Have a look what the booklet for
CIELCh(50, 63.853, 323.126)
contains.

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Color

CIELCh(50, 63.988, 323.015)

Conversions

Conversions Part 1

Format	Color
Hex	AB53B9
RGB	171, 83, 185
RGB Percent	67%, 33%, 73%
CMY	0.3285, 0.6736, 0.2736
CMYK	0.08, 0.55, 0.00, 0.27
HSL	292°, 42%, 53%
HSV	292°, 55%, 73%
XYZ	28.7394, 18.4187, 48.0699
YIQ	120.9400, 19.7060, 50.3780

Conversions

Conversions Part 2

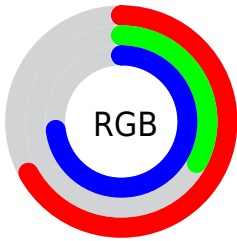
Format	Color
R_{YB}	171, 83, 185
Decimal	11228089
CIE _{Lab}	50.00, 51.11, -38.50
CIE _{LCh}	50, 63.988, 323.015
Yxy	18.4187, 0.3018, 0.1934
Android (android.graphics.Color)	4289418169 (0xFFAB53B9)
YUV	120.9400, 31.5816, 43.9026
Hunter-Lab	42.9170, 44.4283, -36.3669

Details

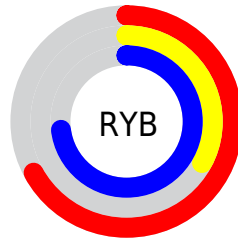
The CIELCh color **50, 63.988, 323.015** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **68, 63.382, 137.063**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 64.332, 322.805**, and **30, 63.916, 323.114** is the 20% darker color. If you saturate the color by 10%, you get **47, 73.596, 323.265**, and if you desaturate by 10%, it is **54, 53.191, 322.669**.

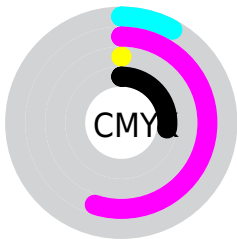
Distribution



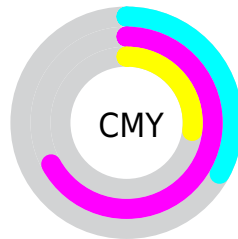
- Red (67%)
- Green (33%)
- Blue (73%)



- Red (67%)
- Yellow (33%)
- Blue (73%)



- Cyan (8%)
- Magenta (55%)
- Yellow (0%)
- Black (27%)





- Cyan (33%)
- Magenta (67%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 63.988, 323.015 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 50, 63.988, 323.015 by changing the saturation by 10% instead.


 50, 63.988,
323.015


 50, 63.988,
323.015


 100, 63.988,
323.015


 40, 63.988,
323.015


 70, 63.988,
323.015

 30, 63.988,
323.015


 80, 63.988,
323.015


 20, 63.988,
323.015

 90, 63.988,
323.015

 10, 63.988,
323.015

 0, 63.988, 323.015

 50, 63.988,
323.015

 50, 63.988,
323.015

47, 73.596,
323.265

54, 53.191,
322.669

44, 81.513,
323.384

58, 41.673,
322.259

41, 87.286,
323.342

63, 29.797,
321.810

40, 90.691,
323.115

68, 17.831,
321.342

40, 91.867,
322.966

73, 5.955, 320.853

78, 5.715, 140.472

83, 17.110,
140.010

88, 28.194,
139.592

93, 38.953,
139.202

Harmonies

Complementary

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



50, 63.988, 323.015



68, 63.382, 137.063

Rectangle

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



50, 63.988, 323.015



50, 63.988, 13.015



50, 63.988, 143.015



50, 63.988, 193.015

Sweetspot

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



50, 63.986, 323.015



84, 24.835, 321.446



45, 51.660, 292.409



43, 16.618, 321.540



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



50, 63.986, 323.015



59, 91.400, 323.300



50, 51.817, 341.121



36, 6.628, 321.067



33, 80.727, 323.033



3, 17.653, 318.925

Inverse Universe

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



49, 44.241, 16.090



57, 65.700, 19.563



68, 51.160, 150.877



36, 4.062, 8.899



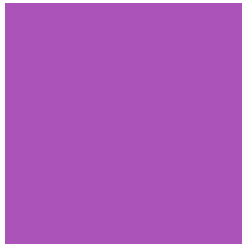
32, 66.474, 33.046



2, 10.771, 11.122

Previews

White Background



This preview shows how the CIELCh color 50, 63.988, 323.015 looks on a white background.

Color Contrast Check

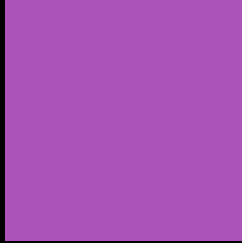
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 63.988, 323.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

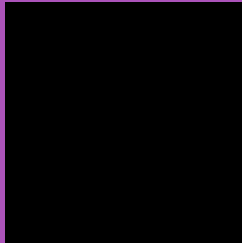
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 63.988, 323.015

Background



This preview shows how black text looks on a background with the CIELCh color 50, 63.988, 323.015.

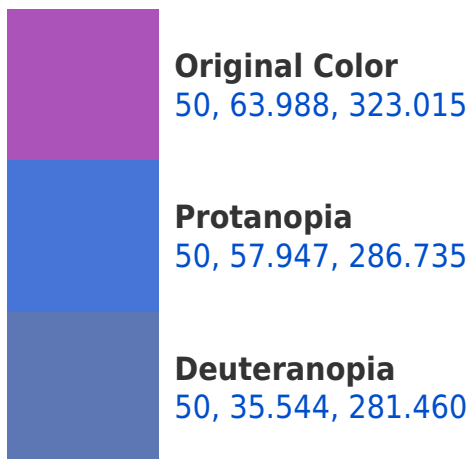


This preview shows how white text looks on a background with the CIELCh color 50, 63.988, 323.015.

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
50, 24.953, 13.448

Trichromacy



Original Color
50, 63.988, 323.015

Protanomaly
49, 58.595, 298.018

Deuteranomaly
49, 44.375, 301.673

Tritanomaly
50, 35.404, 342.517

Monochromacy



Original Color
50, 63.988, 323.015

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 24.882, 321.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 63.988, 323.015 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(171, 83, 185)` looks like.

```
.text, #text, p{  
    color:rgb(171, 83, 185)  
}
```

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(171, 83, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 83, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 63.988, 323.015 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(171, 83, 185) }
```

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

```
.border{ border-color:rgb(171, 83, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 83, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 83, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 83, 185); box-shadow:4px 4px 4px 4px rgb(171, 83, 185) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 63.988, 323.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 83, 185) }
```

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

```
.background{ background-color: rgb(171, 83,  
185) }
```

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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