

Converting Colors

CIELCh(50, 73.541, 327.546)

Have a look what the booklet for
CIELCh(50, 73.541, 327.546)
contains.

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Color

CIELCh(50, 73.383, 327.536)

Conversions

Conversions Part 1

Format	Color
Hex	BB45BB
RGB	187, 69, 187
RGB Percent	73%, 27%, 73%
CMY	0.2665, 0.7293, 0.2665
CMYK	0.00, 0.63, 0.00, 0.27
HSL	300°, 46%, 50%
HSV	300°, 63%, 73%
XYZ	31.6049, 18.4187, 48.9216
YIQ	117.7340, 32.4500, 61.7140

Conversions

Conversions Part 2

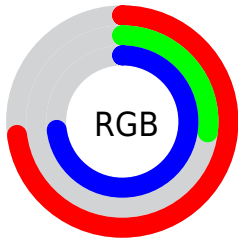
Format	Color
R_{YB}	187, 69, 187
Decimal	12273083
CIE _{Lab}	50.00, 61.92, -39.39
CIE _{LCh}	50, 73.383, 327.536
Yxy	18.4187, 0.3194, 0.1862
Android (android.graphics.Color)	4290463163 (0xFFBB45BB)
YUV	117.7340, 34.1481, 60.7463
Hunter-Lab	42.9170, 56.3464, -37.5436

Details

The CIELCh color **50, 73.383, 327.536** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **67, 74.298, 138.930**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 73.557, 327.505**, and **30, 71.340, 327.367** is the 20% darker color. If you saturate the color by 10%, you get **48, 81.192, 327.840**, and if you desaturate by 10%, it is **53, 63.770, 327.153**.

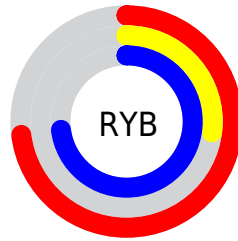
Distribution



Red (73%)

Green (27%)

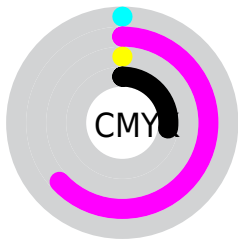
Blue (73%)



Red (73%)

Yellow (27%)

Blue (73%)

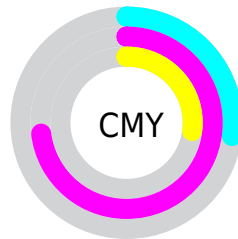


Cyan (0%)

Magenta (63%)

Yellow (0%)

Black (27%)



Cyan (27%)


Magenta (73%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 73.383, 327.536 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, 73.383, 327.536 by changing the saturation by 10% instead.


 50, 73.383,
327.536


 50, 73.383,
327.536


 100, 73.383,
327.536


 40, 73.383,
327.536


 70, 73.383,
327.536

 30, 73.383,
327.536


 80, 73.383,
327.536


 20, 73.383,
327.536

 90, 73.383,
327.536

 10, 73.383,
327.536

 0, 73.383, 327.536

 50, 73.383,
327.536

 50, 73.383,
327.536

48, 81.192,
327.840

53, 63.770,
327.153

46, 86.839,
328.056

57, 52.825,
326.706

45, 90.192,
328.182

61, 41.006,
326.211

44, 91.550,
328.233

65, 28.707,
325.684

70, 16.236,
325.137

74, 3.810, 324.545

79, 8.422, 144.103

84, 20.370,
143.565

89, 31.981,
143.060

Harmonies

Complementary

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



50, 73.383, 327.536



67, 74.298, 138.930

Rectangle

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



50, 73.383, 327.536



50, 73.383, 17.536



50, 73.383, 147.536



50, 73.383, 197.536

Sweetspot

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



50, 73.381, 327.536



84, 29.141, 325.479



36, 72.053, 300.187



44, 20.225, 325.635



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 73.381, 327.536



60, 101.762, 327.940



47, 53.781, 351.162



37, 7.068, 324.929



37, 80.849, 328.233



3, 21.490, 325.460

Inverse Universe

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



50, 73.381, 327.536



60, 101.762, 327.940



68, 50.994, 156.463



37, 7.068, 324.929



37, 80.849, 328.233



3, 21.490, 325.460

Previews

White Background



This preview shows how the CIELCh color 50, 73.383, 327.536 looks on a white background.

Color Contrast Check

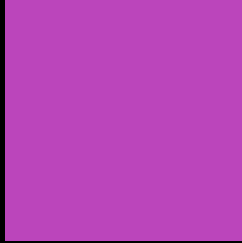
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 73.383, 327.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

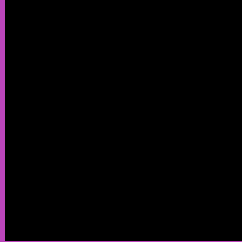
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 73.383, 327.536

Background



This preview shows how black text looks on a background with the CIELCh color 50, 73.383, 327.536.

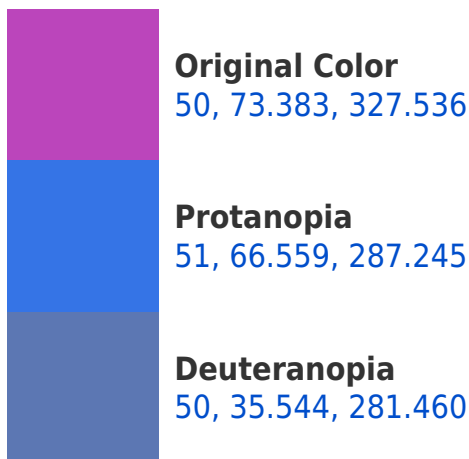


This preview shows how white text looks on a background with the CIELCh color 50, 73.383, 327.536.

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, 36.112, 18.196

Trichromacy



Original Color
50, 73.383, 327.536



Protanomaly
48, 67.422, 298.866



Deuteranomaly
49, 48.407, 305.698



Tritanomaly
49, 44.950, 350.060

Monochromacy



Original Color
50, 73.383, 327.536



Achromatopsia
50, 0.007, 296.813



Achromatomaly
48, 29.996, 326.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 73.383, 327.536 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(187, 69, 187)` looks like.

```
.text, #text, p{  
    color:rgb(187, 69, 187)  
}
```

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(187, 69, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 69, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 73.383, 327.536 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(187, 69, 187) }
```

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

```
.border{ border-color:rgb(187, 69, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 69, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 69, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 69, 187);  
box-shadow:4px 4px 4px 4px rgb(187, 69,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 73.383, 327.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 69, 187) }
```

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

```
.background{ background-color: rgb(187, 69,  
187) }
```

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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