

Converting Colors

CIELCh(52, 67.858, 327.816)

Have a look what the booklet for
CIELCh(52, 67.858, 327.816)
contains.

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Color

CIELCh(52, 68.114, 327.893)

Conversions

Conversions Part 1

Format	Color
Hex	BD50BB
RGB	189, 80, 187
RGB Percent	74%, 31%, 73%
CMY	0.2588, 0.6863, 0.2667
CMYK	0.00, 0.58, 0.01, 0.26
HSL	301°, 45%, 53%
HSV	301°, 58%, 74%
XYZ	32.8252, 20.1443, 49.1723
YIQ	124.7890, 30.6170, 56.3850

Conversions

Conversions Part 2

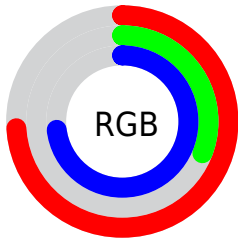
Format	Color
R _Y B	189, 80, 187
Decimal	12406971
CIE Lab	52.00, 57.70, -36.20
CIE LCh	52, 68.114, 327.893
Yxy	20.1443, 0.3214, 0.1972
Android (android.graphics.Color)	4290597051 (0xFFBD50BB)
YUV	124.7890, 30.6700, 56.3130
Hunter-Lab	44.8824, 52.0032, -33.5393

Details

The CIELCh color **52, 68.114, 327.893** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **69, 68.798, 139.984**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 68.241, 327.895**, and **32, 67.944, 328.072** is the 20% darker color. If you saturate the color by 10%, you get **49, 76.902, 328.270**, and if you desaturate by 10%, it is **55, 57.762, 327.452**.

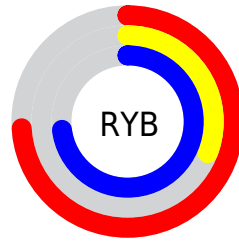
Distribution



Red (74%)

Green (31%)

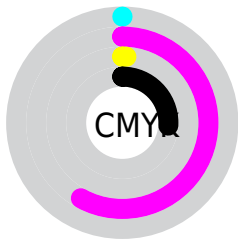
Blue (73%)



Red (74%)

Yellow (31%)

Blue (73%)

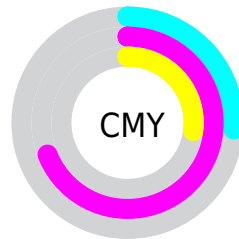


Cyan (0%)

Magenta (58%)

Yellow (1%)

Black (26%)



Cyan (26%)


Magenta (69%)


Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 68.114, 327.893 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 52, 68.114, 327.893 by changing the saturation by 10% instead.


 52, 68.114,
327.893


 52, 68.114,
327.893


 100, 68.114,
327.893

 42, 68.114,
327.893


 72, 68.114,
327.893

 32, 68.114,
327.893


 82, 68.114,
327.893

 22, 68.114,
327.893

 92, 68.114,
327.893

 12, 68.114,
327.893

 2, 68.114, 327.893

 0, 68.114, 327.893

52, 68.114,
327.893

52, 68.114,
327.893

49, 76.902,
328.270

55, 57.762,
327.452

47, 83.692,
328.572

59, 46.330,
326.961

46, 88.200,
328.794

64, 34.251,
326.436

45, 90.526,
328.945

68, 21.872,
325.890

45, 90.948,
328.976

73, 9.451, 325.326

78, 2.836, 144.897

83, 14.875,
144.293

88, 26.598,
143.773

■ 93, 37.973,
143.280

Harmonies

Complementary

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



52, 68.114, 327.893



69, 68.798, 139.984

Rectangle

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



52, 68.114, 327.893



52, 68.114, 17.893



52, 68.114, 147.893



52, 68.114, 197.893

Sweetspot

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



52, 68.112, 327.893



86, 25.961, 325.867



40, 65.830, 299.364



45, 17.366, 325.978



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



52, 68.112, 327.893



62, 95.638, 328.351



50, 49.970, 351.270



37, 6.981, 325.423



37, 79.709, 328.966



3, 21.109, 326.086

Inverse Universe

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



52, 68.112, 327.893



62, 95.638, 328.351



69, 46.961, 158.179



37, 6.981, 325.423



37, 79.709, 328.966



3, 21.109, 326.086

Previews

White Background



This preview shows how the CIELCh color 52, 68.114, 327.893 looks on a white background.

Color Contrast Check

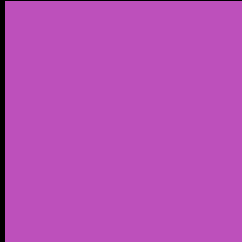
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 52, 68.114, 327.893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

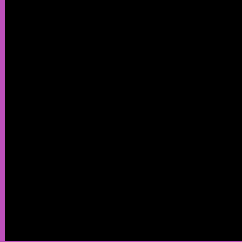
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 68.114, 327.893

Background



This preview shows how black text looks on a background with the CIELCh color 52, 68.114, 327.893.



This preview shows how white text looks on a background with the CIELCh color 52, 68.114, 327.893.

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

52, 68.114, 327.893

Protanopia

52, 59.811, 286.893

Deuteranopia

52, 33.369, 283.499



Tritanopia
52, 33.968, 16.343

Trichromacy



Original Color
52, 68.114, 327.893



Protanomaly
50, 61.219, 299.864



Deuteranomaly
51, 45.305, 306.530



Tritanomaly
51, 42.290, 349.514

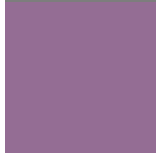
Monochromacy



Original Color
52, 68.114, 327.893



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 27.064, 325.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 68.114, 327.893 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(189, 80, 187)` looks like.

```
.text, #text, p{  
    color:rgb(189, 80, 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(189, 80, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 80, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 68.114, 327.893 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(189, 80, 187) }
```

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

```
.border{ border-color:rgb(189, 80, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 80, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 80, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 80, 187);  
box-shadow:4px 4px 4px 4px rgb(189, 80,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 68.114, 327.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 80, 187) }
```

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

```
.background{ background-color: rgb(189, 80,  
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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