

Converting Colors

CIELCh(51, 65.929, 324.339)

Have a look what the booklet for
CIELCh(51, 65.929, 324.339)
contains.

CIELCh(51, 65.929, 324.339)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 65.929, 324.339)

Conversions

Conversions Part 1

Format	Color
Hex	B253BC
RGB	178, 83, 188
RGB Percent	70%, 33%, 74%
CMY	0.3021, 0.6747, 0.2629
CMYK	0.05, 0.56, 0.00, 0.26
HSL	294°, 44%, 53%
HSV	294°, 56%, 74%
XYZ	30.5122, 19.2686, 49.6633
YIQ	123.3750, 22.9150, 52.7950

Conversions

Conversions Part 2

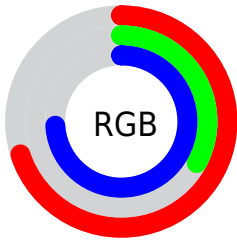
Format	Color
R _Y B	178, 83, 188
Decimal	11686844
CIE Lab	51.00, 53.57, -38.44
CIE LCh	51, 65.929, 324.339
Yxy	19.2686, 0.3068, 0.1938
Android (android.graphics.Color)	4289876924 (0xFFB253BC)
YUV	123.3750, 31.8601, 47.9061
Hunter-Lab	43.8960, 47.2578, -36.3525

Details

The CIELCh color **51, 65.929, 324.339** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **69, 65.718, 137.902**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.982, 324.297**, and **31, 66.011, 324.247** is the 20% darker color. If you saturate the color by 10%, you get **48, 75.392, 324.608**, and if you desaturate by 10%, it is **55, 55.145, 323.979**.

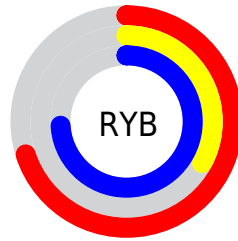
Distribution



Red (70%)

Green (33%)

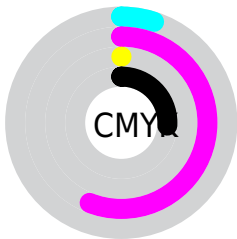
Blue (74%)



Red (70%)

Yellow (33%)

Blue (74%)

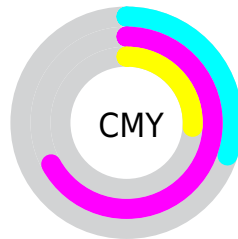


Cyan (5%)

Magenta (56%)

Yellow (0%)

Black (26%)



Cyan (30%)


Magenta (67%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 65.929, 324.339 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 51, 65.929, 324.339 by changing the saturation by 10% instead.


 51, 65.929,
324.339


 51, 65.929,
324.339


 100, 65.929,
324.339


 41, 65.929,
324.339


 71, 65.929,
324.339

 31, 65.929,
324.339

 81, 65.929,
324.339

 21, 65.929,
324.339

 91, 65.929,
324.339

 11, 65.929,
324.339

 1, 65.929, 324.339

 0, 65.929, 324.339

51, 65.929,
324.339

51, 65.929,
324.339

48, 75.392,
324.608

55, 55.145,
323.979

45, 83.042,
324.757

59, 43.523,
323.555

43, 88.472,
324.763

64, 31.453,
323.091

42, 91.547,
324.615

68, 19.230,
322.605

42, 92.464,
324.532

73, 7.060, 322.099

78, 4.921, 141.698

83, 16.632,
141.204

89, 28.027,
140.758

■ 94, 39.087,
140.340

Harmonies

Complementary

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



51, 65.929, 324.339



69, 65.718, 137.902

Rectangle

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



51, 65.929, 324.339



51, 65.929, 14.339



51, 65.929, 144.339



51, 65.929, 194.339

Sweetspot

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



51, 65.927, 324.339



86, 25.562, 322.675



43, 56.478, 294.842



44, 17.106, 322.773



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



51, 65.927, 324.339



61, 94.234, 324.652



51, 51.494, 343.911



37, 6.865, 322.280



35, 81.348, 324.578



3, 20.471, 321.285

Inverse Universe

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



49, 45.827, 19.462



58, 68.813, 23.062



69, 50.306, 152.853



37, 4.121, 12.230



33, 69.131, 35.539



3, 12.323, 13.933

Previews

White Background



This preview shows how the CIELCh color 51, 65.929, 324.339 looks on a white background.

Color Contrast Check

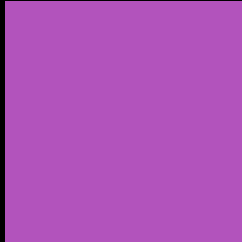
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 65.929, 324.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

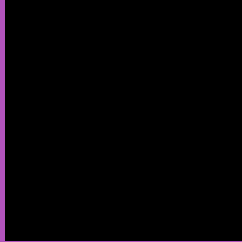
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 65.929, 324.339

Background



This preview shows how black text looks on a background with the CIELCh color 51, 65.929, 324.339.

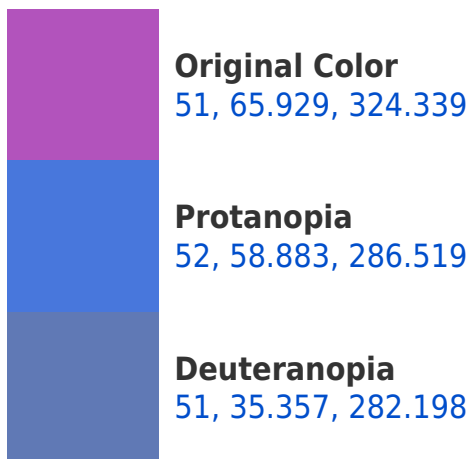


This preview shows how white text looks on a background with the CIELCh color 51, 65.929, 324.339.

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
51, 27.931, 13.718

Trichromacy



Original Color
51, 65.929, 324.339



Protanomaly
50, 59.552, 298.523



Deuteranomaly
50, 45.554, 303.163



Tritanomaly
51, 37.940, 344.322

Monochromacy



Original Color
51, 65.929, 324.339



Achromatopsia
52, 0.007, 296.813



Achromatomaly
50, 26.355, 322.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 65.929, 324.339 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(178, 83, 188)` looks like.

```
.text, #text, p{  
    color:rgb(178, 83, 188)  
}
```

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(178, 83, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 83, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 65.929, 324.339 is called "border". The border property can be set on classes, ids or directly on the HTML element.

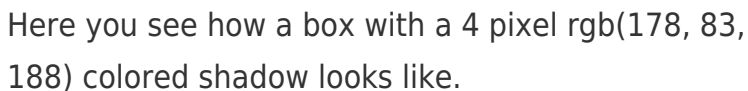
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 83, 188) }
```

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

```
.border{ border-color:rgb(178, 83, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 83, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 83, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 83, 188); box-shadow:4px 4px 4px 4px rgb(178, 83, 188) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 65.929, 324.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 83, 188) }
```

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

```
.background{ background-color: rgb(178, 83,  
188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor