

Converting Colors

CIELCh(51, 86.550, 321.831)

Have a look what the booklet for
CIELCh(51, 86.550, 321.831)
contains.

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Color

CIELCh(51, 86.292, 321.904)

Conversions

Conversions Part 1

Format	Color
Hex	BB42D6
RGB	187, 66, 214
RGB Percent	73%, 26%, 84%
CMY	0.2673, 0.7418, 0.1614
CMYK	0.13, 0.69, 0.00, 0.16
HSL	289°, 64%, 55%
HSV	289°, 69%, 84%
XYZ	34.5103, 19.2686, 65.4126
YIQ	119.0510, 24.6080, 71.6800

Conversions

Conversions Part 2

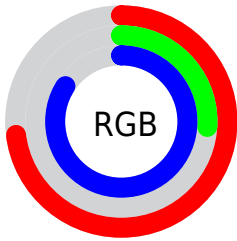
Format	Color
RYB	187, 66, 214
Decimal	12272342
CIELab	51.00, 67.91, -53.24
CIElCh	51, 86.292, 321.904
Yxy	19.2686, 0.2895, 0.1617
Android (android.graphics.Color)	4290462422 (0xFFBB42D6)
YUV	119.0510, 46.8099, 59.5913
Hunter-Lab	43.8960, 63.5156, -57.6250

Details

The CIELCh color **51, 86.292, 321.904** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **77, 85.131, 135.088**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 79.151, 325.064**, and **32, 82.064, 321.587** is the 20% darker color. If you saturate the color by 10%, you get **48, 94.330, 321.907**, and if you desaturate by 10%, it is **55, 76.123, 321.735**.

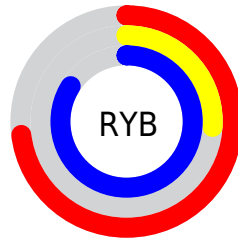
Distribution



Red (73%)

Green (26%)

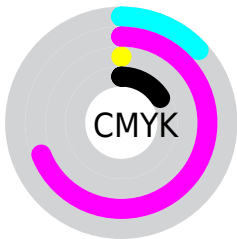
Blue (84%)



Red (73%)

Yellow (26%)

Blue (84%)

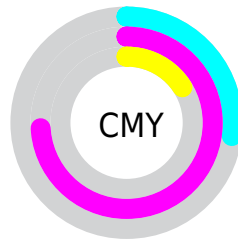


Cyan (13%)

Magenta (69%)

Yellow (0%)

Black (16%)



Cyan (27%)


Magenta (74%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 86.292, 321.904 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, 86.292, 321.904 by changing the saturation by 10% instead.


 51, 86.292,
321.904


 51, 86.292,
321.904


 100, 86.292,
321.904


 41, 86.292,
321.904


 71, 86.292,
321.904

 31, 86.292,
321.904

 81, 86.292,
321.904

 21, 86.292,
321.904

 91, 86.292,
321.904

 11, 86.292,
321.904

 1, 86.292, 321.904

 0, 86.292, 321.904

■ 51, 86.292,
321.904

■ 51, 86.292,
321.904

■ 48, 94.330,
321.907

■ 55, 76.123,
321.735

■ 46, 99.768,
321.704

■ 59, 64.429,
321.443

■ 44, 102.692,
321.297

■ 64, 51.776,
321.068

■ 44, 102.888,
321.263


■ 69, 38.621,
320.642

■ 75, 25.301,
320.191

■ 80, 12.042,
319.727

■ 86, 1.010, 139.523

■ 92, 13.768,
138.890

 97, 24.186,
138.118

Harmonies

Complementary

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



51, 86.292, 321.904



77, 85.131, 135.088

Rectangle

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



51, 86.292, 321.904



51, 86.292, 11.904



51, 86.292, 141.904



51, 86.292, 191.904

Sweetspot

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



51, 86.290, 321.904



86, 31.937, 320.282



44, 71.754, 294.720



44, 21.644, 320.409



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 86.290, 321.904



56, 110.991, 321.841



53, 70.644, 341.121



42, 7.431, 319.737



35, 87.007, 321.363



5, 31.661, 321.383

Inverse Universe

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



51, 61.943, 17.036



56, 83.327, 23.105



76, 71.754, 147.288



42, 4.675, 5.403



35, 69.426, 30.405



5, 22.031, 11.645

Previews

White Background



This preview shows how the CIELCh color 51, 86.292, 321.904 looks on a white background.

Color Contrast Check

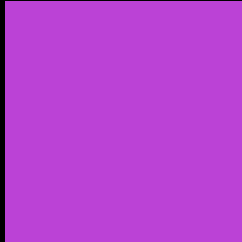
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.292, 321.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

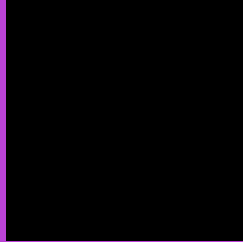
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 86.292, 321.904

Background



This preview shows how black text looks on a background with the CIELCh color 51, 86.292, 321.904.

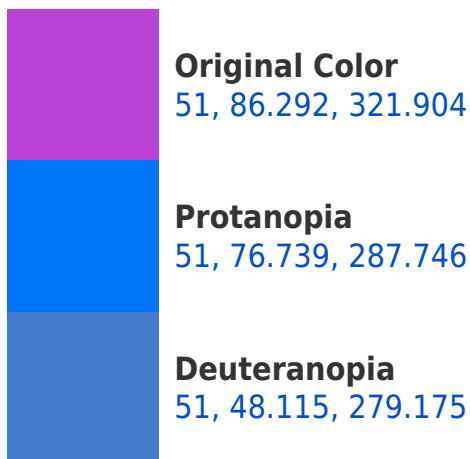


This preview shows how white text looks on a background with the CIELCh color 51, 86.292, 321.904.

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, 31.027, 16.209

Trichromacy



Original Color
51, 86.292, 321.904



Protanomaly
47, 80.763, 295.630



Deuteranomaly
49, 62.105, 299.542



Tritanomaly
50, 46.392, 340.894

Monochromacy



Original Color
51, 86.292, 321.904



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 34.972, 321.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 86.292, 321.904 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, 66, 214)` looks like.

```
.text, #text, p{  
    color:rgb(187, 66, 214)  
}
```

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, 66, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 66, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 86.292, 321.904 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, 66, 214) }
```

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

```
.border{ border-color:rgb(187, 66, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 66, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 66, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 66, 214);  
box-shadow:4px 4px 4px 4px rgb(187, 66,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 86.292, 321.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 66, 214) }
```

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

```
.background{ background-color: rgb(187, 66,  
214) }
```

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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