

Converting Colors

CIELCh(51, 93.438, 321.900)

Have a look what the booklet for
CIELCh(51, 93.438, 321.900)
contains.

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Color

CIELCh(51, 93.432, 321.755)

Conversions

Conversions Part 1

Format	Color
Hex	BF39DE
RGB	191, 57, 222
RGB Percent	75%, 22%, 87%
CMY	0.2511, 0.7766, 0.1295
CMYK	0.14, 0.74, 0.00, 0.13
HSL	289°, 71%, 55%
HSV	289°, 74%, 87%
XYZ	36.1221, 19.2686, 70.9042
YIQ	115.8760, 26.8990, 79.7230

Conversions

Conversions Part 2

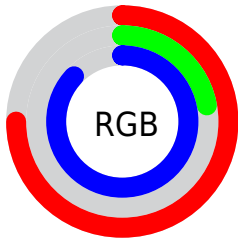
Format	Color
R _{YB}	191, 57, 222
Decimal	12532190
CIE _{Lab}	51.00, 73.38, -57.84
CIE _{LCh}	51, 93.432, 321.755
Yxy	19.2686, 0.2860, 0.1526
Android (android.graphics.Color)	4290722270 (0xFFBF39DE)
YUV	115.8760, 52.3191, 65.8837
Hunter-Lab	43.8960, 70.0697, -65.0425

Details

The CIELCh color **51, 93.432, 321.755** 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 **79, 92.274, 134.740**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 82.772, 326.352**, and **33, 85.367, 320.802** is the 20% darker color. If you saturate the color by 10%, you get **48, 100.374, 321.647**, and if you desaturate by 10%, it is **55, 84.004, 321.672**.

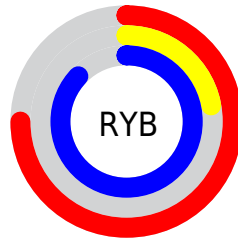
Distribution



Red (75%)

Green (22%)

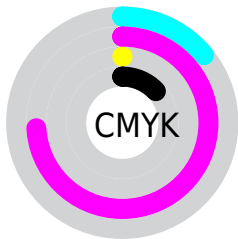
Blue (87%)



Red (75%)

Yellow (22%)

Blue (87%)

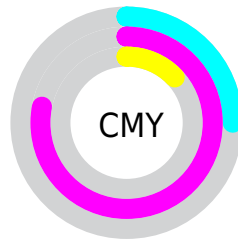


Cyan (14%)

Magenta (74%)

Yellow (0%)

Black (13%)



Cyan (25%)


Magenta (78%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 93.432, 321.755 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, 93.432, 321.755 by changing the saturation by 10% instead.


 51, 93.432,
321.755


 51, 93.432,
321.755


 100, 93.432,
321.755


 41, 93.432,
321.755


 71, 93.432,
321.755

 31, 93.432,
321.755

 81, 93.432,
321.755

 21, 93.432,
321.755

 91, 93.432,
321.755

 11, 93.432,
321.755

 1, 93.432, 321.755

 0, 93.432, 321.755

■ 51, 93.432,
321.755

■ 51, 93.432,
321.755

■ 48, 100.374,
321.647

■ 55, 84.004,
321.672

■ 46, 104.500,
321.316

■ 59, 72.678,
321.440

■ 46, 105.903,
321.053

■ 64, 60.077,
321.104


■ 69, 46.738,
320.701

■ 74, 33.072,
320.261

■ 80, 19.365,
319.803

■ 86, 5.807, 319.326

■ 92, 7.486, 138.960

 97, 19.378,
138.268

Harmonies

Complementary

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



51, 93.432, 321.755



79, 92.274, 134.740

Rectangle

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



51, 93.432, 321.755



51, 93.432, 11.755



51, 93.432, 141.755



51, 93.432, 191.755

Sweetspot

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



51, 93.430, 321.755



86, 33.429, 320.163



43, 78.343, 295.478



44, 22.488, 320.286



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, 93.430, 321.755



54, 114.309, 321.499



53, 76.712, 340.887



44, 7.709, 319.577



36, 88.994, 321.156



6, 35.464, 321.813

Inverse Universe

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



51, 67.951, 18.598



55, 87.534, 25.684



79, 79.226, 145.763



44, 4.866, 4.992



37, 70.783, 30.140



6, 25.281, 12.988

Previews

White Background



This preview shows how the CIELCh color 51, 93.432, 321.755 looks on a white background.

Color Contrast Check

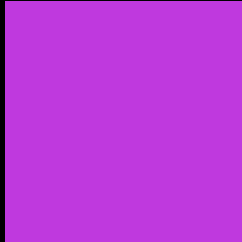
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.432, 321.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

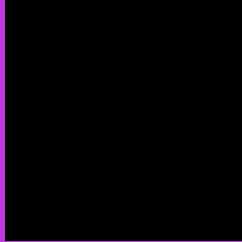
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 93.432, 321.755

Background



This preview shows how black text looks on a background with the CIELCh color 51, 93.432, 321.755.

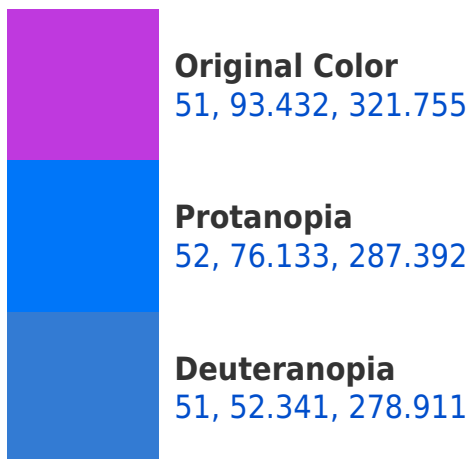


This preview shows how white text looks on a background with the CIELCh color 51, 93.432, 321.755.

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, 32.841, 16.933

Trichromacy



Original Color
51, 93.432, 321.755



Protanomaly
47, 83.634, 296.515



Deuteranomaly
48, 67.978, 298.907



Tritanomaly
50, 49.986, 340.449

Monochromacy



Original Color
51, 93.432, 321.755



Achromatopsia
49, 0.007, 296.813



Achromatomaly
47, 39.211, 320.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 93.432, 321.755 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(191, 57, 222)` looks like.

```
.text, #text, p{  
    color:rgb(191, 57, 222)  
}
```

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(191, 57, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 57, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 93.432, 321.755 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(191, 57, 222) }
```

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

```
.border{ border-color:rgb(191, 57, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 57, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 57, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 57, 222);  
box-shadow:4px 4px 4px 4px rgb(191, 57,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 93.432, 321.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 57, 222) }
```

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

```
.background{ background-color: rgb(191, 57,  
222) }
```

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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