

Converting Colors

CIELCh(50, 51.723, 339.165)

Have a look what the booklet for
CIELCh(50, 51.723, 339.165)
contains.

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Color

CIELCh(50, 51.739, 339.192)

Conversions

Conversions Part 1

Format	Color
Hex	B65397
RGB	182, 83, 151
RGB Percent	71%, 33%, 59%
CMY	0.2856, 0.6738, 0.4072
CMYK	0.00, 0.54, 0.17, 0.29
HSL	319°, 40%, 52%
HSV	319°, 54%, 71%
XYZ	28.0390, 18.4187, 31.4265
YIQ	120.3530, 37.1760, 42.1360

Conversions

Conversions Part 2

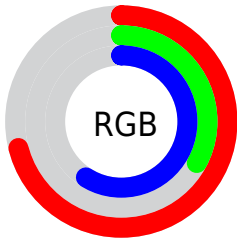
Format	Color
R_{YB}	182, 83, 151
Decimal	11948951
CIE _{Lab}	50.00, 48.36, -18.38
CIE _{LCh}	50, 51.739, 339.192
Yxy	18.4187, 0.3600, 0.2365
Android (android.graphics.Color)	4290139031 (0xFFB65397)
YUV	120.3530, 15.1090, 54.0644
Hunter-Lab	42.9170, 41.5151, -13.3740

Details

The CIELCh color `50, 51.739, 339.192` is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be `67, 51.378, 149.542`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 51.850, 339.310`, and `30, 51.678, 339.021` is the 20% darker color. If you saturate the color by 10%, you get `47, 59.269, 340.265`, and if you desaturate by 10%, it is `54, 43.048, 338.236`.

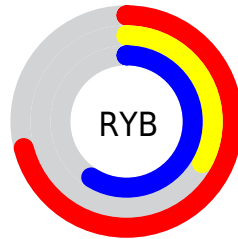
Distribution



Red (71%)

Green (33%)

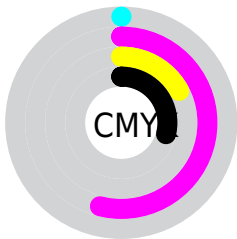
Blue (59%)



Red (71%)

Yellow (33%)

Blue (59%)

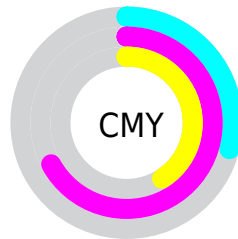


Cyan (0%)

Magenta (54%)

Yellow (17%)

Black (29%)



Cyan (29%)


Magenta (67%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 51.739, 339.192 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, 51.739, 339.192 by changing the saturation by 10% instead.


 50, 51.739,
339.192


 50, 51.739,
339.192


 100, 51.739,
339.192


 40, 51.739,
339.192


 70, 51.739,
339.192

 30, 51.739,
339.192


 80, 51.739,
339.192


 20, 51.739,
339.192

 90, 51.739,
339.192

 10, 51.739,
339.192

 0, 51.739, 339.192

 50, 51.739,
339.192

 50, 51.739,
339.192

47, 59.269,
340.265

54, 43.048,
338.236

44, 65.174,
341.501

58, 33.644,
337.364

42, 69.058,
342.966

62, 23.878,
336.557

41, 70.757,
344.740

67, 14.009,
335.798

40, 71.132,
345.848

72, 4.212, 335.043

77, 5.402, 154.519

82, 14.771,
153.861

87, 23.865,
153.269

92, 32.674,
152.717

Harmonies

Complementary

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



50, 51.739, 339.192



67, 51.378, 149.542

Rectangle

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



50, 51.739, 339.192



50, 51.739, 29.192



50, 51.739, 159.192



50, 51.739, 209.192

Sweetspot

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



50, 51.736, 339.192



84, 19.381, 335.941



43, 59.794, 305.955



44, 13.205, 336.095



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



50, 51.736, 339.192



60, 73.635, 340.468



48, 42.836, 11.098



36, 5.547, 335.429



34, 63.446, 345.564



3, 13.909, 340.061

Inverse Universe

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



50, 51.736, 339.192



60, 73.635, 340.468



68, 33.890, 177.813



36, 5.547, 335.429



34, 63.446, 345.564



3, 13.909, 340.061

Previews

White Background



This preview shows how the CIELCh color 50, 51.739, 339.192 looks on a white background.

Color Contrast Check

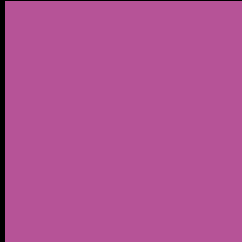
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 51.739, 339.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

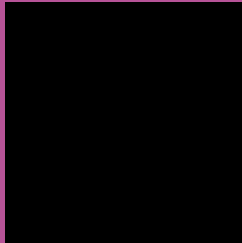
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 51.739, 339.192

Background



This preview shows how black text looks on a background with the CIELCh color 50, 51.739, 339.192.



This preview shows how white text looks on a background with the CIELCh color 50, 51.739, 339.192.

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

50, 51.739, 339.192

Protanopia

50, 34.683, 284.778

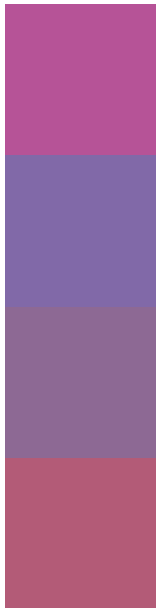
Deuteranopia

50, 16.991, 293.571



Tritanopia
50, 35.699, 18.920

Trichromacy



Original Color
50, 51.739, 339.192

Protanomaly
49, 38.029, 307.040

Deuteranomaly
49, 28.592, 321.198

Tritanomaly
50, 38.791, 1.071

Monochromacy



Original Color
50, 51.739, 339.192

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 20.373, 336.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 51.739, 339.192 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(182, 83, 151)` looks like.

```
.text, #text, p{  
    color:rgb(182, 83, 151)  
}
```

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(182, 83, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 83, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 51.739, 339.192 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(182, 83, 151) }
```

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

```
.border{ border-color:rgb(182, 83, 151) }
```

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

Here you see how a box with a 4 pixel rgb(182, 83, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 83, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 83, 151);  
box-shadow:4px 4px 4px 4px rgb(182, 83,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 51.739, 339.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 83, 151) }
```

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

```
.background{ background-color: rgb(182, 83,  
151) }
```

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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