

Converting Colors

CIELCh(49, 50.237, 353.110)

Have a look what the booklet for
CIELCh(49, 50.237, 353.110)
contains.

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Color

CIELCh(49, 50.237, 353.110)

Conversions

Conversions Part 1

Format	Color
Hex	BC4D80
RGB	188, 77, 128
RGB Percent	74%, 30%, 50%
CMY	0.2622, 0.6975, 0.4976
CMYK	0.00, 0.59, 0.32, 0.26
HSL	332°, 45%, 52%
HSV	332°, 59%, 74%
XYZ	27.3372, 17.5941, 22.4167
YIQ	116.0030, 49.7850, 39.3930

Conversions

Conversions Part 2

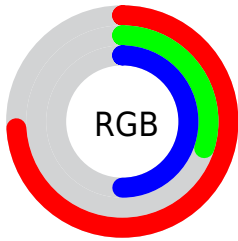
Format	Color
R_{YB}	188, 77, 128
Decimal	12340608
CIE _{Lab}	49.00, 49.87, -6.03
CIE _{LCh}	49, 50.237, 353.110
Yxy	17.5941, 0.4059, 0.2612
Android (android.graphics.Color)	4290530688 (0xFFBC4D80)
YUV	116.0030, 5.9145, 63.1414
Hunter-Lab	41.9453, 42.9305, -2.3244

Details

The CIELCh color **49, 50.237, 353.110** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **69, 46.690, 159.267**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 50.186, 353.009**, and **29, 50.144, 353.074** is the 20% darker color. If you saturate the color by 10%, you get **46, 56.865, 355.257**, and if you desaturate by 10%, it is **53, 42.477, 351.369**.

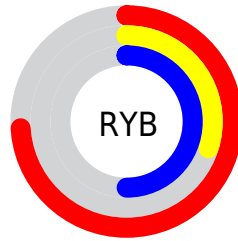
Distribution



Red (74%)

Green (30%)

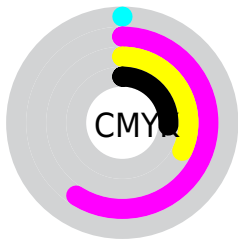
Blue (50%)



Red (74%)

Yellow (30%)

Blue (50%)

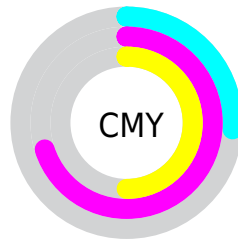


Cyan (0%)

Magenta (59%)

Yellow (32%)

Black (26%)



Cyan (26%)

Magenta (70%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 50.237, 353.110 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 49, 50.237, 353.110 by changing the saturation by 10% instead.


 49, 50.237,
353.110


 49, 50.237,
353.110


 100, 50.237,
353.110


 39, 50.237,
353.110

 69, 50.237,
353.110


 29, 50.237,
353.110

 79, 50.237,
353.110

 19, 50.237,
353.110

 89, 50.237,
353.110

 9, 50.237, 353.110

 99, 50.237,
353.110

 0, 50.237, 353.110

 49, 50.237,

 49, 50.237,

353.110

353.110

■ 46, 56.865,
355.257

■ 53, 42.477,
351.369

■ 43, 61.948,
357.954

■ 57, 34.027,
349.918

■ 41, 65.231, 1.369

■ 62, 25.250,
348.681

■ 40, 67.001, 5.545

■ 67, 16.409,
347.599

■ 40, 67.175, 5.970

■ 72, 7.681, 346.622

■ 77, 0.830, 166.306

■ 82, 9.069, 165.095

■ 87, 17.011,
164.369

■ 93, 24.657,

Harmonies

Complementary

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



49, 50.237, 353.110



69, 46.690, 159.267

Rectangle

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



49, 50.237, 353.110



49, 50.237, 43.110



49, 50.237, 173.110



49, 50.237, 223.110

Sweetspot

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



49, 50.234, 353.111



85, 19.234, 347.527



45, 67.162, 313.008



44, 13.400, 347.827



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



49, 50.234, 353.111



58, 71.474, 356.041



48, 49.154, 28.979



37, 4.849, 346.656



33, 59.080, 5.289



3, 13.653, 353.978

Inverse Universe

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



49, 50.234, 353.111



58, 71.474, 356.041



69, 31.335, 200.764



37, 4.849, 346.656



33, 59.080, 5.289



3, 13.653, 353.978

Previews

White Background



This preview shows how the CIELCh color 49, 50.237, 353.110 looks on a white background.

Color Contrast Check

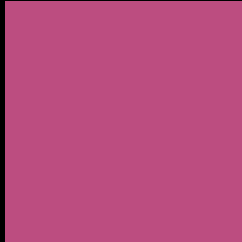
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 50.237, 353.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

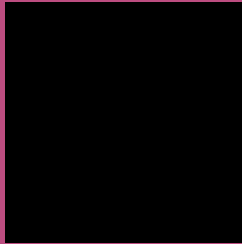
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 50.237, 353.110

Background



This preview shows how black text looks on a background with the CIELCh color 49, 50.237, 353.110.

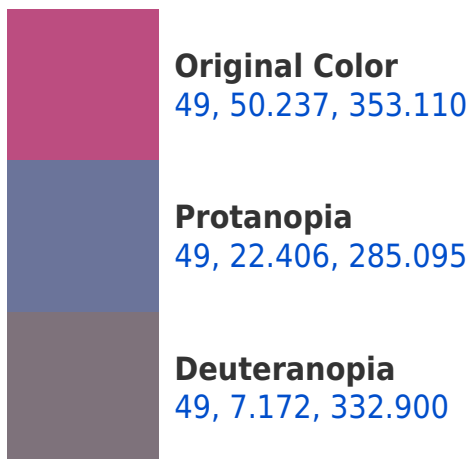


This preview shows how white text looks on a background with the CIELCh color 49, 50.237, 353.110.

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
49, 44.044, 21.609

Trichromacy



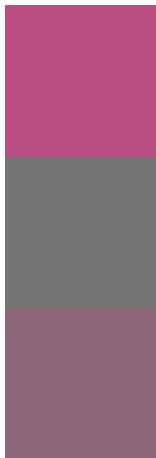
Original Color
49, 50.237, 353.110

Protanomaly
48, 28.542, 320.514

Deuteranomaly
48, 23.769, 346.598

Tritanomaly
49, 44.836, 10.620

Monochromacy



Original Color
49, 50.237, 353.110

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 19.373, 349.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 50.237, 353.110 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(188, 77, 128)` looks like.

```
.text, #text, p{  
    color:rgb(188, 77, 128)  
}
```

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(188, 77, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 77, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 50.237, 353.110 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(188, 77, 128) }
```

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

```
.border{ border-color:rgb(188, 77, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 77, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 77, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 77, 128);  
box-shadow:4px 4px 4px 4px rgb(188, 77,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 50.237, 353.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 77, 128) }
```

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

```
.background{ background-color: rgb(188, 77,  
128) }
```

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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