

Converting Colors

CIELCh(49, 50.575, 354.406)

Have a look what the booklet for
CIELCh(49, 50.575, 354.406)
contains.

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Color

CIELCh(49, 50.643, 354.423)

Conversions

Conversions Part 1

Format	Color
Hex	BD4C7E
RGB	189, 76, 126
RGB Percent	74%, 30%, 49%
CMY	0.2574, 0.7006, 0.5046
CMYK	0.00, 0.60, 0.33, 0.26
HSL	333°, 46%, 52%
HSV	333°, 60%, 74%
XYZ	27.4689, 17.5941, 21.7933
YIQ	115.4870, 51.2980, 39.5060

Conversions

Conversions Part 2

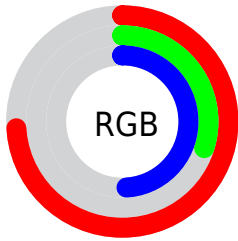
Format	Color
R_{YB}	189, 76, 126
Decimal	12405886
CIE _{Lab}	49.00, 50.40, -4.92
CIE _{LCh}	49, 50.643, 354.423
Yxy	17.5941, 0.4109, 0.2632
Android (android.graphics.Color)	4290595966 (0xFFBD4C7E)
YUV	115.4870, 5.1829, 64.4709
Hunter-Lab	41.9453, 43.4909, -1.4433

Details

The CIELCh color $49, 50.643, 354.423$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $69, 46.657, 160.113$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 50.634, 354.163$, and $29, 50.732, 354.518$ is the 20% darker color. If you saturate the color by 10%, you get $46, 57.230, 356.687$, and if you desaturate by 10%, it is $53, 42.917, 352.596$.

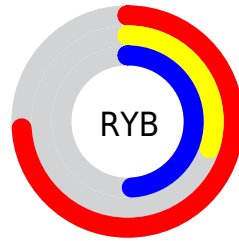
Distribution



Red (74%)

Green (30%)

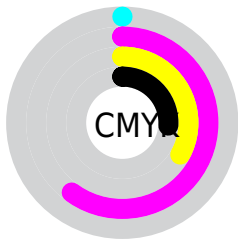
Blue (49%)



Red (74%)

Yellow (30%)

Blue (49%)

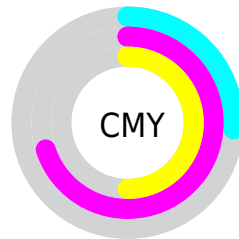


Cyan (0%)

Magenta (60%)

Yellow (33%)

Black (26%)



Cyan (26%)


Magenta (70%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 50.643, 354.423 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, 50.643, 354.423 by changing the saturation by 10% instead.


 49, 50.643,
354.423

 49, 50.643,
354.423


 100, 50.643,
354.423

 39, 50.643,
354.423

 69, 50.643,
354.423

 29, 50.643,
354.423

 79, 50.643,
354.423

 19, 50.643,
354.423

 89, 50.643,
354.423

 9, 50.643, 354.423

 99, 50.643,
354.423

 0, 50.643, 354.423

 49, 50.643,

 49, 50.643,

354.423

354.423

■ 46, 57.230,
356.687

■ 53, 42.917,
352.596

■ 43, 62.275,
359.540

■ 57, 34.495,
351.084

■ 41, 65.553, 3.153

■ 62, 25.741,
349.801

■ 40, 67.448, 7.522

■ 67, 16.924,
348.686

■ 40, 67.509, 7.661

■ 72, 8.223, 347.686

■ 77, 0.257, 168.459

■ 82, 8.459, 166.127

■ 87, 16.360,
165.388

■ 93, 23.961,

Harmonies

Complementary

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



49, 50.643, 354.423



69, 46.657, 160.113

Rectangle

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



49, 50.643, 354.423



49, 50.643, 44.423



49, 50.643, 174.423



49, 50.643, 224.423

Sweetspot

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



49, 50.640, 354.424



86, 19.196, 348.542



45, 68.310, 313.531



44, 13.491, 348.851



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



49, 50.640, 354.424



58, 72.342, 357.609



49, 49.504, 30.109



37, 4.796, 347.653



33, 59.062, 6.931



3, 13.540, 354.964

Inverse Universe

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



49, 50.640, 354.424



58, 72.342, 357.609



69, 31.181, 202.809



37, 4.796, 347.653



33, 59.062, 6.931



3, 13.540, 354.964

Previews

White Background



This preview shows how the CIELCh color 49, 50.643, 354.423 looks on a white background.

Color Contrast Check

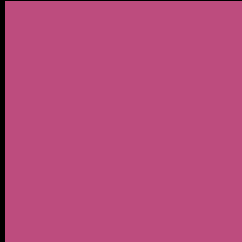
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 50.643, 354.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

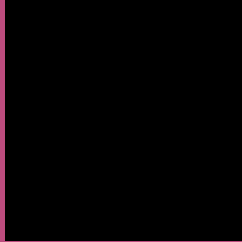
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 50.643, 354.423

Background



This preview shows how black text looks on a background with the CIELCh color 49, 50.643, 354.423.

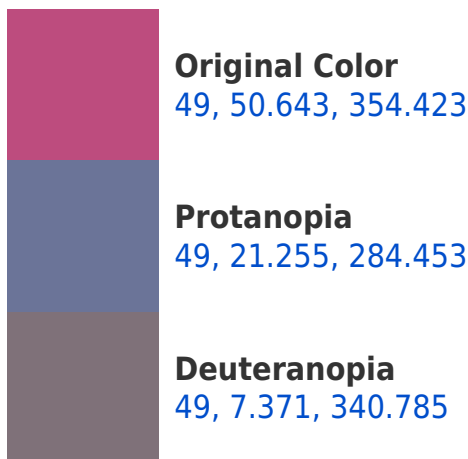


This preview shows how white text looks on a background with the CIELCh color 49, 50.643, 354.423.

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, 44.963, 21.889

Trichromacy



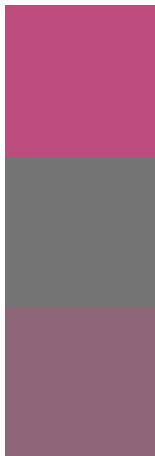
Original Color
49, 50.643, 354.423

Protanomaly
48, 27.543, 321.673

Deuteranomaly
48, 24.174, 349.084

Tritanomaly
49, 45.657, 11.127

Monochromacy



Original Color
49, 50.643, 354.423

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 19.717, 349.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 50.643, 354.423 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(189, 76, 126)` looks like.

```
.text, #text, p{  
    color:rgb(189, 76, 126)  
}
```

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(189, 76, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 76, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 50.643, 354.423 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(189, 76, 126) }
```

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

```
.border{ border-color:rgb(189, 76, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 76, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 76, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 76, 126);  
box-shadow:4px 4px 4px 4px rgb(189, 76,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 50.643, 354.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 76, 126) }
```

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

```
.background{ background-color: rgb(189, 76,  
126) }
```

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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