

Converting Colors

CIELCh(49, 53.562, 347.319)

Have a look what the booklet for
CIELCh(49, 53.562, 347.319)
contains.

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Color

CIELCh(49, 53.697, 347.326)

Conversions

Conversions Part 1

Format	Color
Hex	BD4B8A
RGB	189, 75, 138
RGB Percent	74%, 29%, 54%
CMY	0.2601, 0.7071, 0.4600
CMYK	0.00, 0.60, 0.27, 0.26
HSL	327°, 46%, 52%
HSV	327°, 60%, 74%
XYZ	27.9668, 17.5941, 25.8560
YIQ	116.2680, 47.7210, 43.7610

Conversions

Conversions Part 2

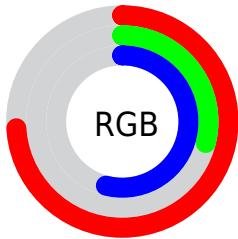
Format	Color
R_{YB}	189, 75, 138
Decimal	12405642
CIE _{Lab}	49.00, 52.39, -11.78
CIE _{LCh}	49, 53.697, 347.326
Yxy	17.5941, 0.3916, 0.2464
Android (android.graphics.Color)	4290595722 (0xFFBD4B8A)
YUV	116.2680, 10.7139, 63.7860
Hunter-Lab	41.9453, 45.6097, -7.1860

Details

The CIELCh color **49, 53.697, 347.326** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **69, 51.891, 154.296**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 53.742, 347.517**, and **29, 53.601, 347.303** is the 20% darker color. If you saturate the color by 10%, you get **46, 60.142, 349.085**, and if you desaturate by 10%, it is **53, 45.903, 345.870**.

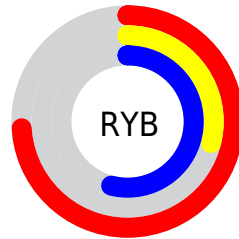
Distribution



Red (74%)

Green (29%)

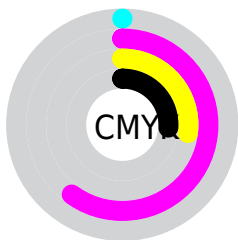
Blue (54%)



Red (74%)

Yellow (29%)

Blue (54%)

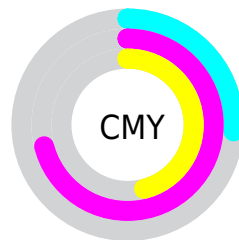


Cyan (0%)

Magenta (60%)

Yellow (27%)

Black (26%)



Cyan (26%)


Magenta (71%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 53.697, 347.326 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, 53.697, 347.326 by changing the saturation by 10% instead.


 49, 53.697,
347.326


 49, 53.697,
347.326


 100, 53.697,
347.326


 39, 53.697,
347.326

 69, 53.697,
347.326


 29, 53.697,
347.326

 79, 53.697,
347.326

 19, 53.697,
347.326

 89, 53.697,
347.326

 9, 53.697, 347.326

 99, 53.697,
347.326

 0, 53.697, 347.326

 49, 53.697,

 49, 53.697,

347.326

347.326

46, 60.142,
349.085

53, 45.903,
345.870

43, 64.807,
351.257

57, 37.234,
344.629

42, 67.433,
353.985

61, 28.090,
343.546

41, 68.422,
357.137

66, 18.773,
342.579

71, 9.491, 341.694

76, 0.374, 339.953

81, 8.502, 160.261

87, 17.100,
159.568

92, 25.409,

Harmonies

Complementary

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



49, 53.697, 347.326



69, 51.891, 154.296

Rectangle

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



49, 53.697, 347.326



49, 53.697, 37.326



49, 53.697, 167.326



49, 53.697, 217.326

Sweetspot

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



49, 53.694, 347.327



85, 20.427, 342.386



43, 68.726, 310.168



44, 14.218, 342.653



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, 53.694, 347.327



58, 74.928, 349.636



47, 50.432, 22.786



37, 5.163, 341.602



34, 60.149, 356.600



3, 14.398, 348.481

Inverse Universe

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



49, 53.694, 347.327



58, 74.928, 349.636



70, 34.203, 189.711



37, 5.163, 341.602



34, 60.149, 356.600



3, 14.398, 348.481

Previews

White Background



This preview shows how the CIELCh color 49, 53.697, 347.326 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, 53.697, 347.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

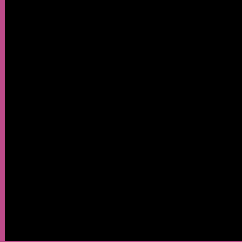
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 53.697, 347.326

Background



This preview shows how black text looks on a background with the CIELCh color 49, 53.697, 347.326.

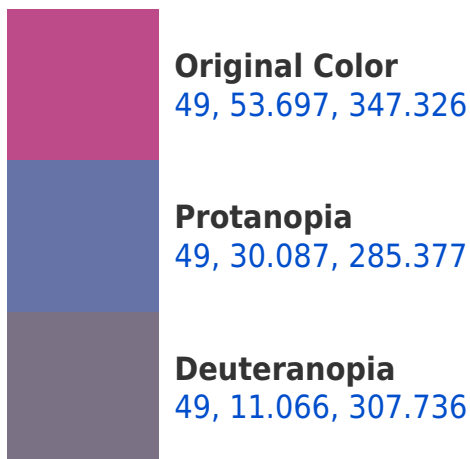


This preview shows how white text looks on a background with the CIELCh color 49, 53.697, 347.326.

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



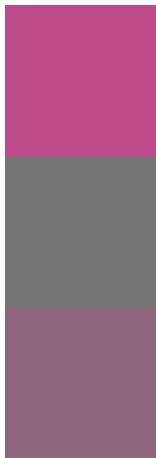
Original Color
49, 53.697, 347.326

Protanomaly
48, 35.154, 313.701

Deuteranomaly
48, 26.733, 334.866

Tritanomaly
49, 45.343, 7.261

Monochromacy



Original Color
49, 53.697, 347.326

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 21.254, 342.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 53.697, 347.326 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, 75, 138)` looks like.

```
.text, #text, p{  
    color:rgb(189, 75, 138)  
}
```

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, 75, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 75, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 53.697, 347.326 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, 75, 138) }
```

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

```
.border{ border-color:rgb(189, 75, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 75, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 75, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 75, 138);  
box-shadow:4px 4px 4px 4px rgb(189, 75,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 53.697, 347.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 75, 138) }
```

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

```
.background{ background-color: rgb(189, 75,  
138) }
```

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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