

Converting Colors

CIELCh(49, 53.422, 347.908)

Have a look what the booklet for
CIELCh(49, 53.422, 347.908)
contains.

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Color

CIELCh(49, 53.450, 347.866)

Conversions

Conversions Part 1

Format	Color
Hex	BD4B89
RGB	189, 75, 137
RGB Percent	74%, 29%, 54%
CMY	0.2597, 0.7067, 0.4635
CMYK	0.00, 0.60, 0.28, 0.26
HSL	327°, 46%, 52%
HSV	327°, 60%, 74%
XYZ	27.9333, 17.5941, 25.5154
YIQ	116.1540, 48.0420, 43.4500

Conversions

Conversions Part 2

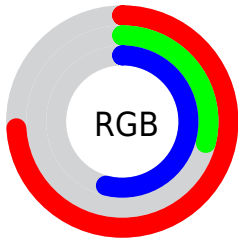
Format	Color
R_{YB}	189, 75, 137
Decimal	12405641
CIE _{Lab}	49.00, 52.26, -11.24
CIE _{LCh}	49, 53.450, 347.866
Yxy	17.5941, 0.3932, 0.2477
Android (android.graphics.Color)	4290595721 (0xFFBD4B89)
YUV	116.1540, 10.2771, 63.8859
Hunter-Lab	41.9453, 45.4672, -6.7046

Details

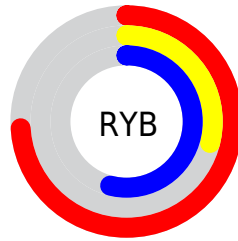
The CIELCh color $49, 53.450, 347.866$ is a dark color, and the websafe version is hex $CC6699$. A complement of this color would be $69, 51.492, 154.718$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 53.498, 348.021$, and $29, 53.360, 347.899$ is the 20% darker color. If you saturate the color by 10%, you get $46, 59.894, 349.666$, and if you desaturate by 10%, it is $53, 45.670, 346.379$.

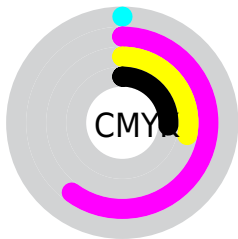
Distribution



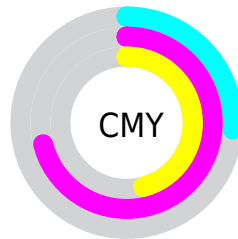
- Red (74%)
- Green (29%)
- Blue (54%)



- Red (74%)
- Yellow (29%)
- Blue (54%)



- Cyan (0%)
- Magenta (60%)
- Yellow (28%)
- Black (26%)



- Cyan (26%)
- Magenta (71%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 53.450, 347.866 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, 53.450, 347.866 by changing the saturation by 10% instead.


 49, 53.450,
347.866

 49, 53.450,
347.866

 100, 53.450,
347.866

 39, 53.450,
347.866

 69, 53.450,
347.866

 29, 53.450,
347.866

 79, 53.450,
347.866

 19, 53.450,
347.866

 89, 53.450,
347.866

 9, 53.450, 347.866

 99, 53.450,
347.866

 0, 53.450, 347.866

 49, 53.450,

 49, 53.450,

347.866

347.866

■ 46, 59.894,
349.666

■ 53, 45.670,
346.379

■ 43, 64.572,
351.895

■ 57, 37.028,
345.116

■ 42, 67.229,
354.697

■ 61, 27.919,
344.016

■ 41, 68.265,
357.948

■ 66, 18.645,
343.037

■ 71, 9.410, 342.142

■ 76, 0.345, 340.303

■ 82, 8.476, 160.698

■ 87, 17.019,
160.001

■ 92, 25.272,

Harmonies

Complementary

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



49, 53.450, 347.866



69, 51.492, 154.718

Rectangle

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



49, 53.450, 347.866



49, 53.450, 37.866



49, 53.450, 167.866



49, 53.450, 217.866

Sweetspot

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



49, 53.447, 347.867



85, 20.307, 342.845



43, 68.736, 310.640



44, 14.136, 343.115



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, 53.447, 347.867



58, 74.616, 350.237



47, 50.727, 23.981



37, 5.131, 342.053



34, 59.980, 357.395



3, 14.317, 349.006

Inverse Universe

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



49, 53.447, 347.867



58, 74.616, 350.237



70, 33.876, 191.460



37, 5.131, 342.053



34, 59.980, 357.395



3, 14.317, 349.006

Previews

White Background



This preview shows how the CIELCh color 49, 53.450, 347.866 looks on a white background.

Color Contrast Check

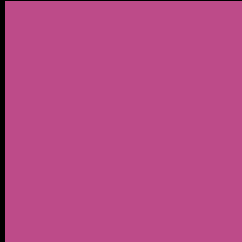
Large Text (above 18pt) WCAG AA ✓ Pass

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, 53.450, 347.866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

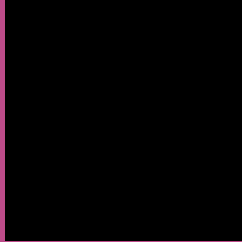
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 53.450, 347.866

Background



This preview shows how black text looks on a background with the CIELCh color 49, 53.450, 347.866.

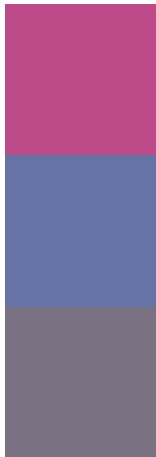


This preview shows how white text looks on a background with the CIELCh color 49, 53.450, 347.866.

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

49, 53.450, 347.866

Protanopia

49, 29.479, 285.698

Deuteranopia

49, 10.506, 308.612



Tritanopia
49, 44.044, 21.609

Trichromacy



Original Color
49, 53.450, 347.866

Protanomaly
48, 34.725, 314.611

Deuteranomaly
48, 26.338, 335.766

Tritanomaly
49, 45.343, 7.261

Monochromacy



Original Color
49, 53.450, 347.866

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, 53.450, 347.866 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(189, 75, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 75, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 53.450, 347.866 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, 137) }
```

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

```
.border{ border-color:rgb(189, 75, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 75, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 75, 137);  
box-shadow:4px 4px 4px 4px rgb(189, 75,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 53.450, 347.866 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, 137) }
```

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

```
.background{ background-color: rgb(189, 75,  
137) }
```

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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