

Converting Colors

CIELCh(49, 42.818, 343.998)

Have a look what the booklet for
CIELCh(49, 42.818, 343.998)
contains.

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Color

CIELCh(49, 42.959, 344.127)

Conversions

Conversions Part 1

Format	Color
Hex	AD5789
RGB	173, 87, 137
RGB Percent	68%, 34%, 54%
CMY	0.3204, 0.6577, 0.4617
CMYK	0.00, 0.50, 0.21, 0.32
HSL	325°, 34%, 51%
HSV	325°, 50%, 68%
XYZ	25.2665, 17.5941, 25.8361
YIQ	118.4140, 35.2060, 33.7820

Conversions

Conversions Part 2

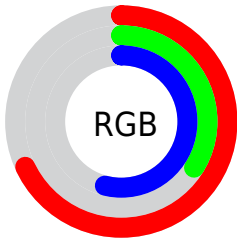
Format	Color
R_{YB}	173, 87, 137
Decimal	11360137
CIE _{Lab}	49.00, 41.32, -11.75
CIE _{LCh}	49, 42.959, 344.127
Yxy	17.5941, 0.3678, 0.2561
Android (android.graphics.Color)	4289550217 (0xFFAD5789)
YUV	118.4140, 9.1629, 47.8719
Hunter-Lab	41.9453, 34.1184, -7.1578

Details

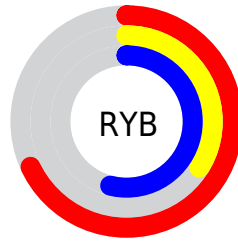
The CIELCh color `49, 42.959, 344.127` is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be `65, 41.675, 154.602`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 43.031, 344.172`, and `29, 42.697, 344.166` is the 20% darker color. If you saturate the color by 10%, you get `46, 50.413, 345.455`, and if you desaturate by 10%, it is `53, 34.701, 342.983`.

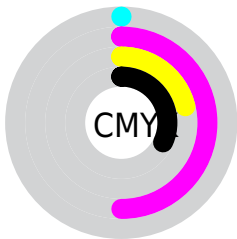
Distribution



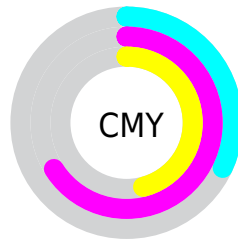
- Red (68%)
- Green (34%)
- Blue (54%)



- Red (68%)
- Yellow (34%)
- Blue (54%)



- Cyan (0%)
- Magenta (50%)
- Yellow (21%)
- Black (32%)




- Cyan (32%)
- Magenta (66%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 42.959, 344.127 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, 42.959, 344.127 by changing the saturation by 10% instead.


 49, 42.959,
344.127

 49, 42.959,
344.127

 100, 42.959,
344.127

 39, 42.959,
344.127

 69, 42.959,
344.127


 29, 42.959,
344.127

 79, 42.959,
344.127

 19, 42.959,
344.127

 89, 42.959,
344.127

 9, 42.959, 344.127

 99, 42.959,
344.127

 0, 42.959, 344.127

 49, 42.959,

 49, 42.959,

344.127

344.127

46, 50.413,
345.455

53, 34.701,
342.983

43, 56.640,
347.033

57, 26.013,
341.971

40, 61.215,
348.961

62, 17.168,
341.058

39, 63.866,
351.360

66, 8.356, 340.213

38, 64.922,
354.255

71, 0.305, 160.610

76, 8.744, 158.835

38, 64.958,
354.362

81, 16.927,
158.167

86, 24.842,
157.555

91, 32.492,

Harmonies

Complementary

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



49, 42.959, 344.127



65, 41.675, 154.602

Rectangle

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



49, 42.959, 344.127



49, 42.959, 34.127



49, 42.959, 164.127



49, 42.959, 214.127

Sweetspot

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



49, 42.956, 344.128



81, 16.129, 340.682



44, 52.459, 308.998



41, 11.008, 340.855



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



49, 42.956, 344.128



58, 62.305, 345.659



48, 37.791, 18.825



34, 4.909, 340.185



32, 58.649, 353.950



2, 9.612, 344.431

Inverse Universe

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



49, 42.956, 344.128



58, 62.305, 345.659



66, 28.067, 188.863



34, 4.909, 340.185



32, 58.649, 353.950



2, 9.612, 344.431

Previews

White Background



This preview shows how the CIELCh color 49, 42.959, 344.127 looks on a white background.

Color Contrast Check

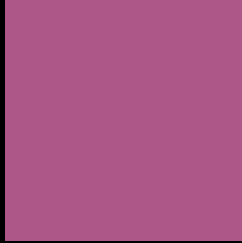
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.959, 344.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

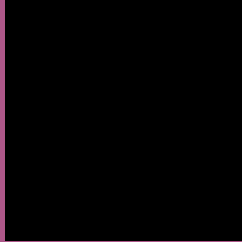
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 42.959, 344.127

Background



This preview shows how black text looks on a background with the CIELCh color 49, 42.959, 344.127.



This preview shows how white text looks on a background with the CIELCh color 49, 42.959, 344.127.

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, 42.959, 344.127

Protanopia
49, 24.207, 284.419

Deuteranopia
49, 11.531, 305.092



Tritanopia
49, 32.622, 16.951

Trichromacy



Original Color
49, 42.959, 344.127

Protanomaly
49, 27.460, 311.956

Deuteranomaly
49, 22.961, 329.975

Tritanomaly
49, 34.872, 2.446

Monochromacy



Original Color
49, 42.959, 344.127

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 16.981, 340.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 42.959, 344.127 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(173, 87, 137)` looks like.

```
.text, #text, p{  
    color:rgb(173, 87, 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(173, 87, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 87, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 42.959, 344.127 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(173, 87, 137) }
```

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

```
.border{ border-color:rgb(173, 87, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 87, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 87, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 87, 137);  
box-shadow:4px 4px 4px 4px rgb(173, 87,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 42.959, 344.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 87, 137) }
```

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

```
.background{ background-color: rgb(173, 87,  
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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