

Converting Colors

CIELCh(49, 41.646, 344.650)

Have a look what the booklet for
CIELCh(49, 41.646, 344.650)
contains.

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Color

CIELCh(49, 41.820, 344.570)

Conversions

Conversions Part 1

Format	Color
Hex	AC5888
RGB	172, 88, 136
RGB Percent	67%, 35%, 53%
CMY	0.3246, 0.6541, 0.4658
CMYK	0.00, 0.49, 0.21, 0.32
HSL	326°, 34%, 51%
HSV	326°, 49%, 68%
XYZ	25.0295, 17.5941, 25.4481
YIQ	118.5880, 34.6560, 32.7360

Conversions

Conversions Part 2

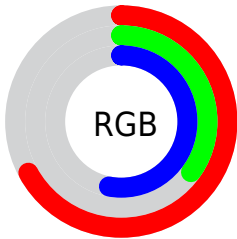
Format	Color
R_{YB}	172, 88, 136
Decimal	11294856
CIE _{Lab}	49.00, 40.31, -11.13
CIE _{LCh}	49, 41.820, 344.570
Yxy	17.5941, 0.3677, 0.2585
Android (android.graphics.Color)	4289484936 (0xFFAC5888)
YUV	118.5880, 8.5841, 46.8423
Hunter-Lab	41.9453, 33.1098, -6.6095

Details

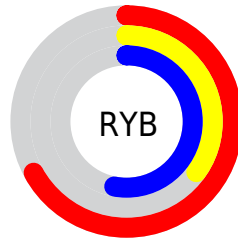
The CIELCh color $49, 41.820, 344.570$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $64, 40.470, 155.172$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 41.887, 344.632$, and $29, 41.696, 344.551$ is the 20% darker color. If you saturate the color by 10%, you get $45, 49.295, 345.910$, and if you desaturate by 10%, it is $53, 33.591, 343.416$.

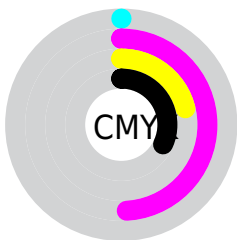
Distribution



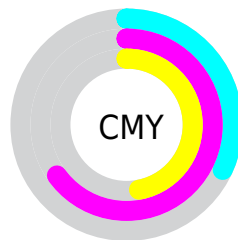
- Red (67%)
- Green (35%)
- Blue (53%)



- Red (67%)
- Yellow (35%)
- Blue (53%)



- Cyan (0%)
- Magenta (49%)
- Yellow (21%)
- Black (32%)





- Cyan (32%)
- Magenta (65%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 41.820, 344.570 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, 41.820, 344.570 by changing the saturation by 10% instead.


 49, 41.820,
344.570


 49, 41.820,
344.570


 100, 41.820,
344.570


 39, 41.820,
344.570

 69, 41.820,
344.570


 29, 41.820,
344.570

 79, 41.820,
344.570

 19, 41.820,
344.570

 89, 41.820,
344.570

 9, 41.820, 344.570

 99, 41.820,
344.570

 0, 41.820, 344.570

 49, 41.820,

 49, 41.820,

344.570

344.570

45, 49.295,
345.910

53, 33.591,
343.416

42, 55.599,
347.506

57, 24.970,
342.397

40, 60.309,
349.456

62, 16.219,
341.479

38, 63.134,
351.885

66, 7.517, 340.627

37, 64.292,
354.848

71, 1.024, 160.246

76, 9.338, 159.248

37, 64.418,
355.219

81, 17.395,
158.582

86, 25.185,
157.971

90, 32.713,

Harmonies

Complementary

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



49, 41.820, 344.570



64, 40.470, 155.172

Rectangle

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



49, 41.820, 344.570



49, 41.820, 34.570



49, 41.820, 164.570



49, 41.820, 214.570

Sweetspot

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



49, 41.817, 344.571



81, 16.020, 341.174



45, 51.260, 308.941



41, 10.934, 341.350



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, 41.817, 344.571



58, 61.128, 346.097



48, 36.885, 18.639



34, 4.875, 340.671



32, 58.420, 354.811



2, 9.548, 344.964

Inverse Universe

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



49, 41.817, 344.571



58, 61.128, 346.097



65, 27.557, 188.930



34, 4.875, 340.671



32, 58.420, 354.811



2, 9.548, 344.964

Previews

White Background



This preview shows how the CIELCh color 49, 41.820, 344.570 looks on a white background.

Color Contrast Check

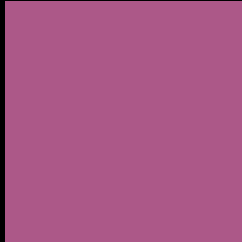
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.820, 344.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

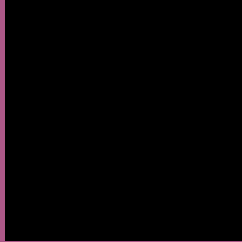
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 41.820, 344.570

Background



This preview shows how black text looks on a background with the CIELCh color 49, 41.820, 344.570.



This preview shows how white text looks on a background with the CIELCh color 49, 41.820, 344.570.

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, 41.820, 344.570

Protanopia

49, 23.019, 284.575

Deuteranopia

49, 10.963, 305.781



Tritanopia
49, 32.192, 16.790

Trichromacy



Original Color
49, 41.820, 344.570

Protanomaly
49, 26.371, 312.763

Deuteranomaly
49, 21.826, 331.042

Tritanomaly
49, 33.868, 3.627

Monochromacy



Original Color
49, 41.820, 344.570

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 15.644, 341.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 41.820, 344.570 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(172, 88, 136)` looks like.

```
.text, #text, p{  
    color:rgb(172, 88, 136)  
}
```

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(172, 88, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 88, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 41.820, 344.570 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(172, 88, 136) }
```

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

```
.border{ border-color:rgb(172, 88, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 88, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 88, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 88, 136);  
box-shadow:4px 4px 4px 4px rgb(172, 88,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 41.820, 344.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 88, 136) }
```

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

```
.background{ background-color: rgb(172, 88,  
136) }
```

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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