

Converting Colors

CIELCh(49, 38.960, 345.832)

Have a look what the booklet for
CIELCh(49, 38.960, 345.832)
contains.

CIELCh(49, 39.242, 346.267)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 39.242, 346.267)

Conversions

Conversions Part 1

Format	Color
Hex	AA5A85
RGB	170, 90, 133
RGB Percent	67%, 35%, 52%
CMY	0.3328, 0.6465, 0.4779
CMYK	0.00, 0.47, 0.22, 0.33
HSL	328°, 32%, 51%
HSV	328°, 47%, 67%
XYZ	24.5193, 17.5941, 24.3425
YIQ	118.8220, 33.8770, 30.3330

Conversions

Conversions Part 2

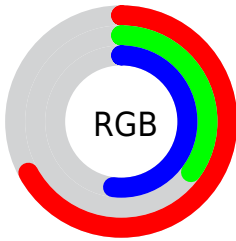
Format	Color
R_{YB}	170, 90, 133
Decimal	11164293
CIE Lab	49.00, 38.12, -9.32
CIE LCh	49, 39.242, 346.267
Yxy	17.5941, 0.3690, 0.2647
Android (android.graphics.Color)	4289354373 (0xFFAA5A85)
YUV	118.8220, 6.9898, 44.8831
Hunter-Lab	41.9453, 30.9387, -5.0466

Details

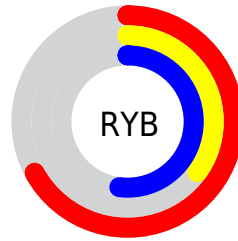
The CIELCh color $49, 39.242, 346.267$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $64, 37.655, 157.011$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 39.321, 346.311$, and $29, 39.085, 346.916$ is the 20% darker color. If you saturate the color by 10%, you get $45, 46.715, 347.673$, and if you desaturate by 10%, it is $53, 31.126, 345.065$.

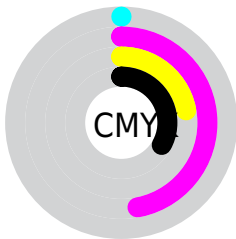
Distribution



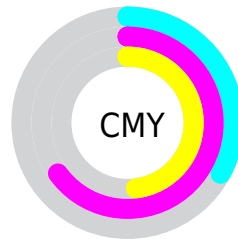
- Red (67%)
- Green (35%)
- Blue (52%)



- Red (67%)
- Yellow (35%)
- Blue (52%)



- Cyan (0%)
- Magenta (47%)
- Yellow (22%)
- Black (33%)



- Cyan (33%)
- Magenta (65%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 39.242, 346.267 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, 39.242, 346.267 by changing the saturation by 10% instead.


 49, 39.242,
346.267


 49, 39.242,
346.267


 100, 39.242,
346.267


 39, 39.242,
346.267

 69, 39.242,
346.267


 29, 39.242,
346.267

 79, 39.242,
346.267

 19, 39.242,
346.267

 89, 39.242,
346.267

 9, 39.242, 346.267

 99, 39.242,
346.267

 0, 39.242, 346.267

 49, 39.242,

 49, 39.242,

346.267

346.267

■ 45, 46.715,
347.673

■ 53, 31.126,
345.065

■ 42, 53.149,
349.356

■ 57, 22.704,
344.009

■ 40, 58.123,
351.425

■ 62, 14.210,
343.063

■ 38, 61.324,
354.013

■ 66, 5.804, 342.181

■ 37, 62.792,
357.231


■ 71, 2.418, 161.613

■ 37, 63.144,
358.235

■ 76, 10.402,
160.792

■ 81, 18.126,
160.121

■ 86, 25.586,
159.507

 90, 32.787,
158.938

Harmonies

Complementary

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



49, 39.242, 346.267



64, 37.655, 157.011

Rectangle

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



49, 39.242, 346.267



49, 39.242, 36.267



49, 39.242, 166.267



49, 39.242, 216.267

Sweetspot

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



49, 39.240, 346.268



80, 14.464, 342.815



45, 48.981, 309.856



42, 10.086, 343.003



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, 39.240, 346.268



59, 56.930, 347.671



48, 35.301, 20.756



33, 4.646, 342.380



31, 57.051, 357.757



2, 7.975, 345.661

Inverse Universe

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



49, 39.240, 346.268



59, 56.930, 347.671



65, 26.094, 192.287



33, 4.646, 342.380



31, 57.051, 357.757



2, 7.975, 345.661

Previews

White Background



This preview shows how the CIELCh color 49, 39.242, 346.267 looks on a white background.

Color Contrast Check

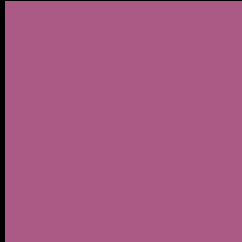
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.242, 346.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

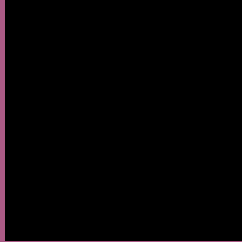
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 39.242, 346.267

Background



This preview shows how black text looks on a background with the CIELCh color 49, 39.242, 346.267.



This preview shows how white text looks on a background with the CIELCh color 49, 39.242, 346.267.

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, 39.242, 346.267

Protanopia

49, 20.063, 284.719

Deuteranopia

49, 9.534, 312.943



Tritanopia
49, 30.850, 16.246

Trichromacy



Original Color
49, 39.242, 346.267

Protanomaly
49, 23.647, 315.153

Deuteranomaly
49, 20.562, 334.241

Tritanomaly
49, 32.577, 3.570

Monochromacy



Original Color
49, 39.242, 346.267

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 14.633, 344.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 39.242, 346.267 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(170, 90, 133)` looks like.

```
.text, #text, p{  
    color:rgb(170, 90, 133)  
}
```

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(170, 90, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 90, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 39.242, 346.267 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(170, 90, 133) }
```

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

```
.border{ border-color:rgb(170, 90, 133) }
```

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

Here you see how a box with a 4 pixel rgb(170, 90, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 90, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 90, 133);  
box-shadow:4px 4px 4px 4px rgb(170, 90,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 39.242, 346.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 90, 133) }
```

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

```
.background{ background-color: rgb(170, 90,  
133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor