

Converting Colors

CIELCh(49, 36.924, 348.262)

Have a look what the booklet for
CIELCh(49, 36.924, 348.262)
contains.

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Color

CIELCh(49, 36.666, 348.232)

Conversions

Conversions Part 1

Format	Color
Hex	A85C82
RGB	168, 92, 130
RGB Percent	66%, 36%, 51%
CMY	0.3411, 0.6392, 0.4902
CMYK	0.00, 0.45, 0.23, 0.34
HSL	330°, 30%, 51%
HSV	330°, 45%, 66%
XYZ	24.0087, 17.5941, 23.2534
YIQ	119.0560, 33.0980, 27.9300

Conversions

Conversions Part 2

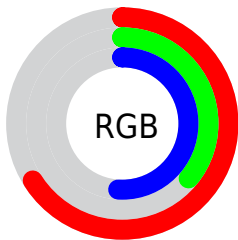
Format	Color
R_{YB}	168, 92, 130
Decimal	11033730
CIE _{Lab}	49.00, 35.90, -7.48
CIE _{LCh}	49, 36.666, 348.232
Yxy	17.5941, 0.3702, 0.2713
Android (android.graphics.Color)	4289223810 (0xFFA85C82)
YUV	119.0560, 5.3954, 42.9239
Hunter-Lab	41.9453, 28.7659, -3.5071

Details

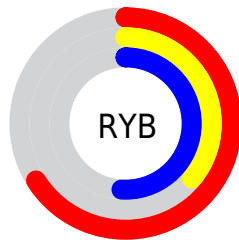
The CIELCh color $49, 36.666, 348.232$ is a dark color, and the websafe version is hex $CC6699$. A complement of this color would be $63, 34.843, 159.123$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 36.775, 348.243$, and $29, 36.966, 348.018$ is the 20% darker color. If you saturate the color by 10%, you get $45, 44.119, 349.706$, and if you desaturate by 10%, it is $53, 28.683, 346.979$.

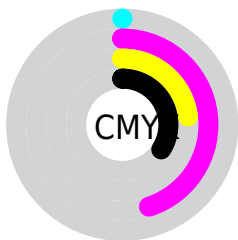
Distribution



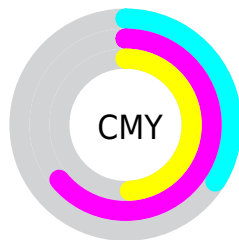
- Red (66%)
- Green (36%)
- Blue (51%)



- Red (66%)
- Yellow (36%)
- Blue (51%)



- Cyan (0%)
- Magenta (45%)
- Yellow (23%)
- Black (34%)





- Cyan (34%)
- Magenta (64%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 36.666, 348.232 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, 36.666, 348.232 by changing the saturation by 10% instead.


 49, 36.666,
348.232


 49, 36.666,
348.232


 100, 36.666,
348.232


 39, 36.666,
348.232

 69, 36.666,
348.232


 29, 36.666,
348.232

 79, 36.666,
348.232

 19, 36.666,
348.232

 89, 36.666,
348.232

 9, 36.666, 348.232

 99, 36.666,
348.232

 0, 36.666, 348.232

 49, 36.666,

 49, 36.666,

348.232

45, 44.119,
349.706

42, 50.669,
351.482

40, 55.905,
353.673

38, 59.498,
356.426

36, 61.374,
359.889

36, 62.039, 1.670

348.232

53, 28.683,
346.979

57, 20.476,
345.886

62, 12.257,
344.911

66, 4.163, 343.989

71, 3.726, 163.384

76, 11.367,
162.600

81, 18.744,
161.926

85, 25.858,
161.308

■ 90, 32.719,
160.737

Harmonies

Complementary

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



49, 36.666, 348.232



63, 34.843, 159.123

Rectangle

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



49, 36.666, 348.232



49, 36.666, 38.232



49, 36.666, 168.232



49, 36.666, 218.232

Sweetspot

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



49, 36.664, 348.233



79, 13.978, 344.820



46, 46.791, 311.317



41, 9.656, 345.013



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 36.664, 348.233



59, 53.601, 349.668



48, 33.880, 24.074



33, 4.530, 344.367



31, 56.545, 1.183



2, 7.800, 347.582

Inverse Universe

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



49, 36.664, 348.233



59, 53.601, 349.668



64, 24.601, 197.351



33, 4.530, 344.367



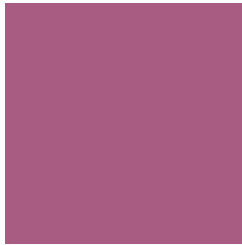
31, 56.545, 1.183



2, 7.800, 347.582

Previews

White Background



This preview shows how the CIELCh color 49, 36.666, 348.232 looks on a white background.

Color Contrast Check

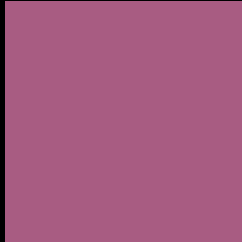
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.666, 348.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

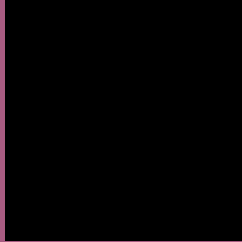
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 36.666, 348.232

Background



This preview shows how black text looks on a background with the CIELCh color 49, 36.666, 348.232.



This preview shows how white text looks on a background with the CIELCh color 49, 36.666, 348.232.

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, 29.509, 15.676

Trichromacy



Original Color
49, 36.666, 348.232

Protanomaly
49, 21.538, 317.565

Deuteranomaly
49, 18.321, 339.650

Tritanomaly
49, 31.180, 4.571

Monochromacy



Original Color
49, 36.666, 348.232

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 13.985, 345.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 36.666, 348.232 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(168, 92, 130)` looks like.

```
.text, #text, p{  
    color:rgb(168, 92, 130)  
}
```

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(168, 92, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 92, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 36.666, 348.232 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(168, 92, 130) }
```

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

```
.border{ border-color:rgb(168, 92, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 92, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 92, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 92, 130);  
box-shadow:4px 4px 4px 4px rgb(168, 92,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 36.666, 348.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 92, 130) }
```

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

```
.background{ background-color: rgb(168, 92,  
130) }
```

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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