

Converting Colors

CIELCh(49, 37.183, 343.733)

Have a look what the booklet for
CIELCh(49, 37.183, 343.733)
contains.

CIELCh(49, 37.518, 343.520)	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, 37.518, 343.520)

Conversions

Conversions Part 1

Format	Color
Hex	A65C87
RGB	166, 92, 135
RGB Percent	65%, 36%, 53%
CMY	0.3479, 0.6382, 0.4695
CMYK	0.00, 0.45, 0.19, 0.35
HSL	325°, 29%, 51%
HSV	325°, 45%, 65%
XYZ	24.0273, 17.5941, 25.1497
YIQ	119.0280, 30.3010, 29.0610

Conversions

Conversions Part 2

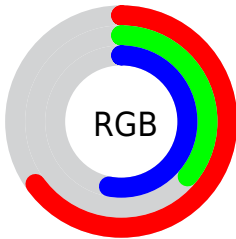
Format	Color
R_{YB}	166, 92, 135
Decimal	10902663
CIE _{Lab}	49.00, 35.98, -10.64
CIE _{LCh}	49, 37.518, 343.520
Yxy	17.5941, 0.3598, 0.2635
Android (android.graphics.Color)	4289092743 (0xFFA65C87)
YUV	119.0280, 7.8742, 41.1944
Hunter-Lab	41.9453, 28.8449, -6.1876

Details

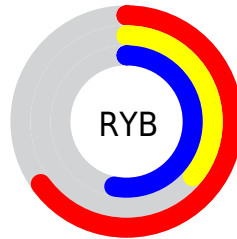
The CIELCh color $49, 37.518, 343.520$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 36.406, 155.296$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 37.569, 343.891$, and $29, 37.622, 343.616$ is the 20% darker color. If you saturate the color by 10%, you get $45, 45.181, 344.742$, and if you desaturate by 10%, it is $53, 29.277, 342.453$.

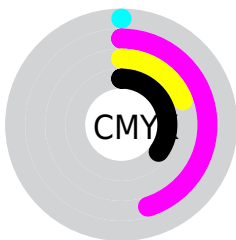
Distribution



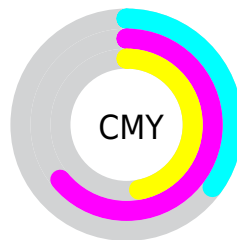
- Red (65%)
- Green (36%)
- Blue (53%)



- Red (65%)
- Yellow (36%)
- Blue (53%)



- Cyan (0%)
- Magenta (45%)
- Yellow (19%)
- Black (35%)





- Cyan (35%)
- Magenta (64%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 37.518, 343.520 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, 37.518, 343.520 by changing the saturation by 10% instead.


 49, 37.518,
343.520


 49, 37.518,
343.520


 100, 37.518,
343.520


 39, 37.518,
343.520

 69, 37.518,
343.520


 29, 37.518,
343.520

 79, 37.518,
343.520

 19, 37.518,
343.520

 89, 37.518,
343.520

 9, 37.518, 343.520

 99, 37.518,
343.520

 0, 37.518, 343.520

 49, 37.518,

 49, 37.518,

343.520

343.520

45, 45.181,
344.742

53, 29.277,
342.453

42, 51.886,
346.173

57, 20.771,
341.499

40, 57.208,
347.896

62, 12.219,
340.629

38, 60.790,
350.021

66, 3.765, 339.782

36, 62.489,
352.673


71, 4.503, 159.218

36, 63.030,
354.270

75, 12.537,
158.500

80, 20.317,
157.865

85, 27.839,
157.279

 90, 35.109,
156.733

Harmonies

Complementary

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



49, 37.518, 343.520



63, 36.406, 155.296

Rectangle

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



49, 37.518, 343.520



49, 37.518, 33.520



49, 37.518, 163.520



49, 37.518, 213.520

Sweetspot

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



49, 37.516, 343.521



79, 13.564, 340.522



45, 45.280, 308.653



41, 9.585, 340.702



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, 37.516, 343.521



59, 54.566, 344.671



48, 32.393, 17.766



33, 4.788, 340.195



32, 57.929, 353.921



2, 8.201, 343.430

Inverse Universe

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



49, 37.516, 343.521



59, 54.566, 344.671



64, 24.919, 189.263



33, 4.788, 340.195



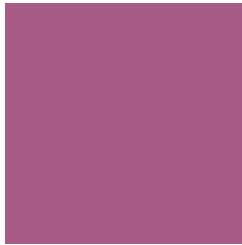
32, 57.929, 353.921



2, 8.201, 343.430

Previews

White Background



This preview shows how the CIELCh color 49, 37.518, 343.520 looks on a white background.

Color Contrast Check

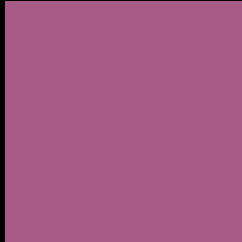
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.518, 343.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

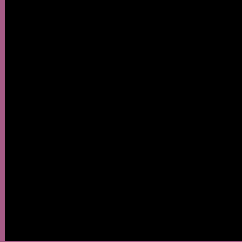
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 37.518, 343.520

Background



This preview shows how black text looks on a background with the CIELCh color 49, 37.518, 343.520.

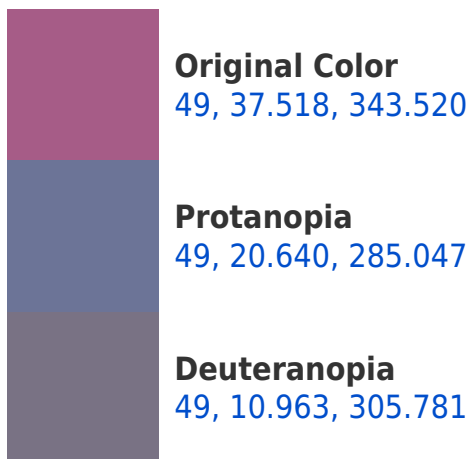


This preview shows how white text looks on a background with the CIELCh color 49, 37.518, 343.520.

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, 28.171, 15.077

Trichromacy



Original Color
49, 37.518, 343.520

Protanomaly
49, 23.930, 312.906

Deuteranomaly
49, 19.984, 329.463

Tritanomaly
49, 30.201, 1.361

Monochromacy



Original Color
49, 37.518, 343.520

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 14.348, 340.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 37.518, 343.520 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(166, 92, 135)` looks like.

```
.text, #text, p{  
    color:rgb(166, 92, 135)  
}
```

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(166, 92, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 92, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 37.518, 343.520 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(166, 92, 135) }
```

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

```
.border{ border-color:rgb(166, 92, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 92, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 92, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 92, 135);  
box-shadow:4px 4px 4px 4px rgb(166, 92,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 37.518, 343.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 92, 135) }
```

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

```
.background{ background-color: rgb(166, 92,  
135) }
```

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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