

Converting Colors

CIELCh(51, 47.461, 342.270)

Have a look what the booklet for
CIELCh(51, 47.461, 342.270)
contains.

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Color

CIELCh(51, 47.308, 342.419)

Conversions

Conversions Part 1

Format	Color
Hex	B75993
RGB	183, 89, 147
RGB Percent	72%, 35%, 58%
CMY	0.2830, 0.6516, 0.4241
CMYK	0.00, 0.51, 0.20, 0.28
HSL	323°, 39%, 53%
HSV	323°, 51%, 72%
XYZ	28.3038, 19.2686, 29.7689
YIQ	123.7180, 37.4060, 37.9660

Conversions

Conversions Part 2

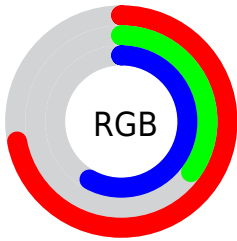
Format	Color
R_{YB}	183, 89, 147
Decimal	12016019
CIE _{Lab}	51.00, 45.10, -14.29
CIE _{LCh}	51, 47.308, 342.419
Yxy	19.2686, 0.3660, 0.2491
Android (android.graphics.Color)	4290206099 (0xFFB75993)
YUV	123.7180, 11.4780, 51.9903
Hunter-Lab	43.8960, 38.2771, -9.4814

Details

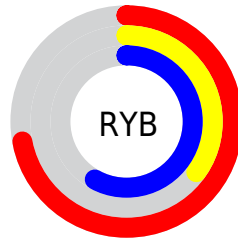
The CIELCh color **51, 47.308, 342.419** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **68, 46.292, 152.761**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 47.365, 342.457**, and **31, 47.225, 342.391** is the 20% darker color. If you saturate the color by 10%, you get **47, 54.985, 343.673**, and if you desaturate by 10%, it is **55, 38.666, 341.329**.

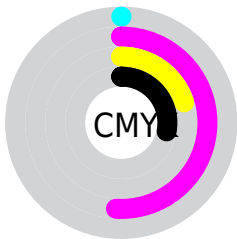
Distribution



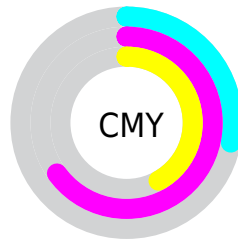
- Red (72%)
- Green (35%)
- Blue (58%)



- Red (72%)
- Yellow (35%)
- Blue (58%)



- Cyan (0%)
- Magenta (51%)
- Yellow (20%)
- Black (28%)





- Cyan (28%)
- Magenta (65%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 47.308, 342.419 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 51, 47.308, 342.419 by changing the saturation by 10% instead.


 51, 47.308,
342.419


 51, 47.308,
342.419


 100, 47.308,
342.419


 41, 47.308,
342.419


 71, 47.308,
342.419

 31, 47.308,
342.419

 81, 47.308,
342.419

 21, 47.308,
342.419

 91, 47.308,
342.419

 11, 47.308,
342.419

 1, 47.308, 342.419

 0, 47.308, 342.419

51, 47.308,
342.419

51, 47.308,
342.419

47, 54.985,
343.673

55, 38.666,
341.329

45, 61.238,
345.154

59, 29.475,
340.357

42, 65.636,
346.950

64, 20.049,
339.475

41, 67.936,
349.171

69, 10.608,
338.656


40, 68.621,
351.417

74, 1.297, 337.682

79, 7.799, 157.300

84, 16.634,
156.635

89, 25.190,
156.028

 94, 33.465,
155.463

Harmonies

Complementary

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



51, 47.308, 342.419



68, 46.292, 152.761

Rectangle

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



51, 47.308, 342.419



51, 47.308, 32.419



51, 47.308, 162.419



51, 47.308, 212.419

Sweetspot

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



51, 47.305, 342.420



85, 17.293, 338.966



45, 56.685, 307.635



44, 11.911, 339.137



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



51, 47.305, 342.420



61, 68.187, 343.897



50, 40.702, 15.492



36, 5.279, 338.491



34, 61.041, 351.021



3, 13.173, 344.029

Inverse Universe

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



51, 47.305, 342.420



61, 68.187, 343.897



69, 31.013, 183.996



36, 5.279, 338.491



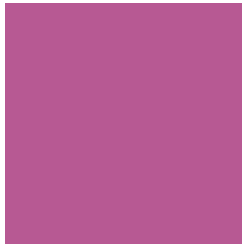
34, 61.041, 351.021



3, 13.173, 344.029

Previews

White Background



This preview shows how the CIELCh color 51, 47.308, 342.419 looks on a white background.

Color Contrast Check

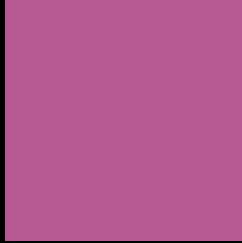
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 47.308, 342.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

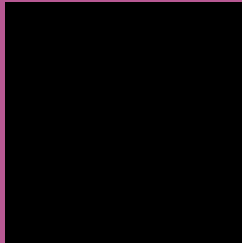
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 47.308, 342.419

Background



This preview shows how black text looks on a background with the CIELCh color 51, 47.308, 342.419.

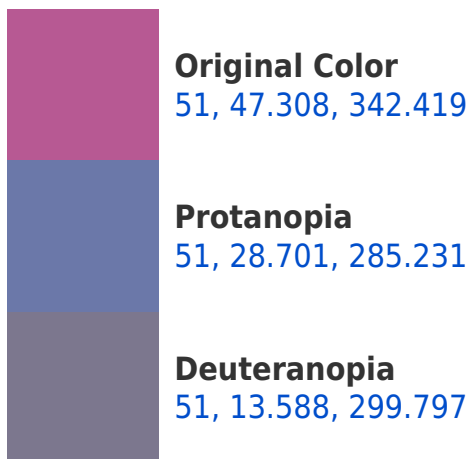


This preview shows how white text looks on a background with the CIELCh color 51, 47.308, 342.419.

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
51, 35.032, 17.722

Trichromacy



Original Color
51, 47.308, 342.419

Protanomaly
50, 31.906, 310.619

Deuteranomaly
50, 25.312, 326.534

Tritanomaly
51, 37.203, 2.456

Monochromacy



Original Color
51, 47.308, 342.419

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 18.199, 339.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 47.308, 342.419 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(183, 89, 147)` looks like.

```
.text, #text, p{  
    color:rgb(183, 89, 147)  
}
```

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(183, 89, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 89, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 47.308, 342.419 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(183, 89, 147) }
```

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

```
.border{ border-color:rgb(183, 89, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 89, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 89, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 89, 147); box-shadow:4px 4px 4px 4px rgb(183, 89, 147) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 47.308, 342.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 89, 147) }
```

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

```
.background{ background-color: rgb(183, 89,  
147) }
```

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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