

Converting Colors

CIELCh(47, 64.293, 340.824)

Have a look what the booklet for
CIELCh(47, 64.293, 340.824)
contains.

CIELCh(47, 64.282, 340.864)	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(47, 64.282, 340.864)

Conversions

Conversions Part 1

Format	Color
Hex	BD3A94
RGB	189, 58, 148
RGB Percent	74%, 23%, 58%
CMY	0.2583, 0.7720, 0.4191
CMYK	0.00, 0.69, 0.22, 0.26
HSL	319°, 53%, 48%
HSV	319°, 69%, 74%
XYZ	27.8964, 16.0195, 29.6907
YIQ	107.4290, 49.1860, 55.7620

Conversions

Conversions Part 2

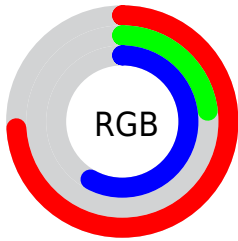
Format	Color
R_{YB}	189, 58, 148
Decimal	12401300
CIE _{Lab}	47.00, 60.73, -21.07
CIE _{LCh}	47, 64.282, 340.864
Yxy	16.0195, 0.3790, 0.2176
Android (android.graphics.Color)	4290591380 (0xFFBD3A94)
YUV	107.4290, 20.0015, 71.5378
Hunter-Lab	40.0243, 54.3694, -15.9653

Details

The CIELCh color **47, 64.282, 340.864** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **68, 65.257, 147.241**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 64.202, 340.856**, and **29, 58.226, 341.893** is the 20% darker color. If you saturate the color by 10%, you get **45, 69.344, 342.211**, and if you desaturate by 10%, it is **50, 57.306, 339.713**.

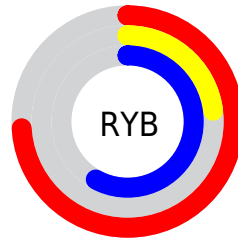
Distribution



Red (74%)

Green (23%)

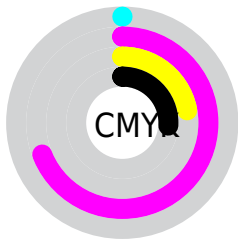
Blue (58%)



Red (74%)

Yellow (23%)

Blue (58%)

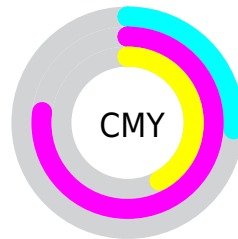


Cyan (0%)

Magenta (69%)

Yellow (22%)

Black (26%)



Cyan (26%)

Magenta (77%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 64.282, 340.864 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 47, 64.282, 340.864 by changing the saturation by 10% instead.

 47, 64.282,
340.864

 47, 64.282,
340.864

 100, 64.282,
340.864

 37, 64.282,
340.864

 67, 64.282,
340.864

 27, 64.282,
340.864

 77, 64.282,
340.864

 17, 64.282,
340.864

 87, 64.282,
340.864

 7, 64.282, 340.864

 97, 64.282,
340.864

 0, 64.282, 340.864

 47, 64.282,

 47, 64.282,

340.864

340.864

45, 69.344,
342.211

50, 57.306,
339.713

43, 72.192,
343.827

54, 48.889,
338.700

42, 73.064,
345.754

58, 39.512,
337.787

42, 73.111,
345.902

62, 29.590,
336.947

67, 19.439,
336.165

72, 9.283, 335.420

77, 0.733, 155.222

82, 10.522,
154.164

■ 87, 20.039,
153.547

Harmonies

Complementary

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



47, 64.282, 340.864



68, 65.257, 147.241

Rectangle

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



47, 64.282, 340.864



47, 64.282, 30.864



47, 64.282, 160.864



47, 64.282, 210.864

Sweetspot

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



47, 64.279, 340.864



84, 26.165, 336.323



37, 79.053, 307.296



43, 17.716, 336.537



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



47, 64.279, 340.864



56, 86.265, 342.991



45, 55.917, 15.480



37, 5.675, 335.427



35, 64.196, 345.586



3, 15.903, 340.558

Inverse Universe

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



47, 64.279, 340.864



56, 86.265, 342.991



69, 41.517, 175.847



37, 5.675, 335.427



35, 64.196, 345.586



3, 15.903, 340.558

Previews

White Background



This preview shows how the CIELCh color 47, 64.282, 340.864 looks on a white background.

Color Contrast Check

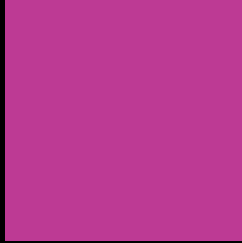
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 64.282, 340.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

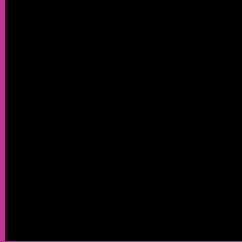
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 64.282, 340.864

Background



This preview shows how black text looks on a background with the CIELCh color 47, 64.282, 340.864.



This preview shows how white text looks on a background with the CIELCh color 47, 64.282, 340.864.

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](#).

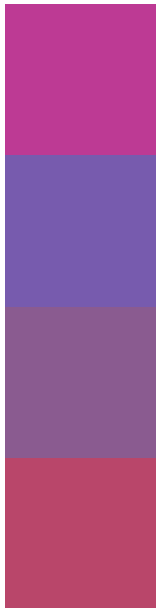
Dichromacy





Tritanopia
47, 47.299, 23.493

Trichromacy



Original Color
47, 64.282, 340.864

Protanomaly
45, 50.253, 306.452

Deuteranomaly
45, 35.793, 323.025

Tritanomaly
47, 49.713, 4.439

Monochromacy



Original Color
47, 64.282, 340.864

Achromatopsia
46, 0.006, 296.813

Achromatomaly
44, 27.178, 337.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 64.282, 340.864 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(189, 58, 148)` looks like.

```
.text, #text, p{  
    color:rgb(189, 58, 148)  
}
```

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(189, 58, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 58, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 64.282, 340.864 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(189, 58, 148) }
```

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

```
.border{ border-color:rgb(189, 58, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 58, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 58, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 58, 148);  
box-shadow:4px 4px 4px 4px rgb(189, 58,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 64.282, 340.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 58, 148) }
```

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

```
.background{ background-color: rgb(189, 58,  
148) }
```

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