

# Converting Colors

CIELCh(47, 59.319, 335.864)

Have a look what the booklet for  
CIELCh(47, 59.319, 335.864)  
contains.

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**Color**

**CIELCh(47, 59.149, 335.919)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B24599
RGB	178, 69, 153
RGB Percent	70%, 27%, 60%
CMY	0.3020, 0.7294, 0.4000
CMYK	0.00, 0.61, 0.14, 0.30
HSL	314°, 44%, 48%
HSV	314°, 61%, 70%
XYZ	26.2357, 16.0195, 31.8437
YIQ	111.1670, 38.0000, 49.2320

# Conversions

## Conversions Part 2

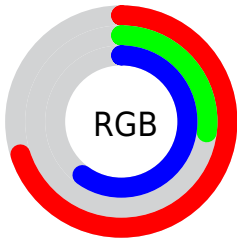
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 69, 153
Decimal	11683225
CIELab	47.00, 54.00, -24.13
CIELCh	47, 59.149, 335.919
Yxy	16.0195, 0.3541, 0.2162
Android (android.graphics.Color)	4289873305 (0xFFB24599)
YUV	111.1670, 20.6237, 58.6125
Hunter-Lab	40.0243, 46.9633, -19.1547

# Details

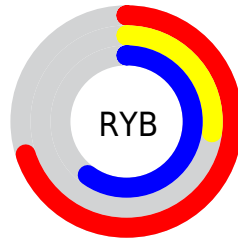
The CIELCh color **47, 59.149, 335.919** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **65, 59.806, 145.589**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 59.469, 335.696**, and **27, 59.188, 335.717** is the 20% darker color. If you saturate the color by 10%, you get **44, 65.827, 336.791**, and if you desaturate by 10%, it is **50, 50.954, 335.113**.

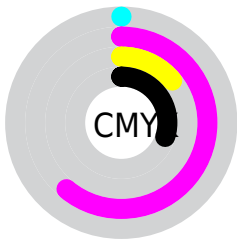
# Distribution



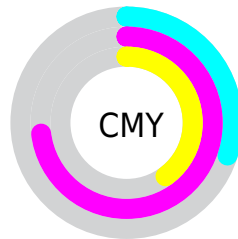
- Red (70%)
- Green (27%)
- Blue (60%)



- Red (70%)
- Yellow (27%)
- Blue (60%)



- Cyan (0%)
- Magenta (61%)
- Yellow (14%)
- Black (30%)




- Cyan (30%)
- Magenta (73%)
- Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 59.149, 335.919 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, 59.149, 335.919 by changing the saturation by 10% instead.





 47, 59.149,  
335.919


 47, 59.149,  
335.919


 100, 59.149,  
335.919


 37, 59.149,  
335.919

 67, 59.149,  
335.919


 27, 59.149,  
335.919

 77, 59.149,  
335.919

 17, 59.149,  
335.919

 87, 59.149,  
335.919

 7, 59.149, 335.919

 97, 59.149,  
335.919

 0, 59.149, 335.919

 47, 59.149,

 47, 59.149,

335.919

44, 65.827,  
336.791

42, 70.576,  
337.760

41, 73.148,  
338.869

40, 73.990,  
339.959

335.919

50, 50.954,  
335.113

54, 41.711,  
334.353

58, 31.834,  
333.629

63, 21.651,  
332.934

67, 11.403,  
332.261

72, 1.249, 331.421

77, 8.708, 151.085

82, 18.412,  
150.494

■ 87, 27.835,  
149.946

# Harmonies

# Complementary

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



47, 59.149, 335.919



65, 59.806, 145.589

# Rectangle

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



47, 59.149, 335.919



47, 59.149, 25.919



47, 59.149, 155.919



47, 59.149, 205.919

# Sweetspot

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



47, 59.146, 335.919



82, 22.748, 332.736



37, 66.549, 304.475



42, 15.949, 332.932



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



47, 59.146, 335.919



57, 82.298, 337.073



45, 47.374, 6.429



35, 5.754, 332.132



34, 66.308, 339.786



2, 12.972, 335.066



# Inverse Universe

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



47, 59.146, 335.919



57, 82.298, 337.073



66, 39.164, 170.271



35, 5.754, 332.132



34, 66.308, 339.786



2, 12.972, 335.066



# Previews

## White Background



This preview shows how the CIELCh color 47, 59.149, 335.919 looks on a white background.

## Color Contrast Check

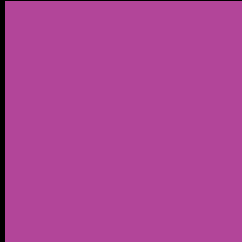
Large Text (above 18pt) WCAG AA ✓ Pass

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, 59.149, 335.919 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

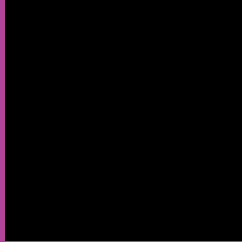
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

# CIELCh 47, 59.149, 335.919

## Background



This preview shows how black text looks on a background with the CIELCh color 47, 59.149, 335.919.

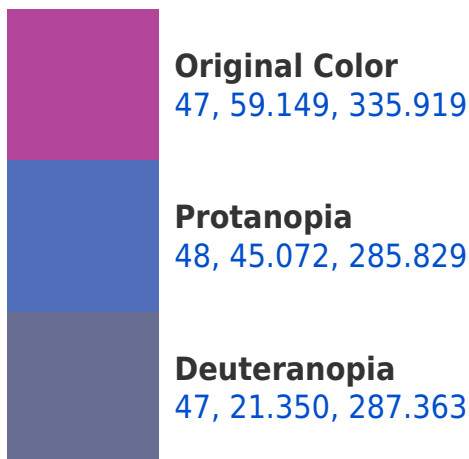


This preview shows how white text looks on a background with the CIELCh color 47, 59.149, 335.919.

# 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, 38.461, 20.094

# Trichromacy



**Original Color**  
47, 59.149, 335.919

**Protanomaly**  
46, 47.517, 304.084

**Deuteranomaly**  
46, 34.645, 316.188

**Tritanomaly**  
47, 42.553, 358.511

# Monochromacy



**Original Color**  
47, 59.149, 335.919

**Achromatopsia**  
47, 0.006, 296.813

**Achromatomaly**  
46, 23.487, 333.472

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 59.149, 335.919 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(178, 69, 153)` looks like.

```
.text, #text, p{  
    color:rgb(178, 69, 153)  
}
```

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(178, 69, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 69, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 59.149, 335.919 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(178, 69, 153) }
```

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

```
.border{ border-color:rgb(178, 69, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 69, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 69, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 69, 153);  
box-shadow:4px 4px 4px 4px rgb(178, 69,  
153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 59.149, 335.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 69, 153) }
```

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

```
.background{ background-color: rgb(178, 69,  
153) }
```

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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