

# Converting Colors

CIELCh(47, 14.027, 335.530)

Have a look what the booklet for  
CIELCh(47, 14.027, 335.530)  
contains.

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**Color**

**CIELCh(47, 14.243, 336.423)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	816879
RGB	129, 104, 121
RGB Percent	51%, 41%, 47%
CMY	0.4932, 0.5912, 0.5246
CMYK	0.00, 0.19, 0.06, 0.49
HSL	319°, 11%, 46%
HSV	319°, 19%, 51%
XYZ	17.5291, 16.0195, 20.3334
YIQ	113.4130, 9.4430, 10.5870

# Conversions

## Conversions Part 2

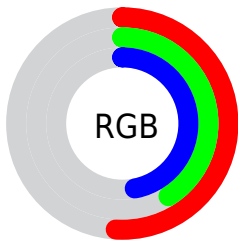
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 104, 121
Decimal	8480889
CIE <sub>Lab</sub>	47.00, 13.05, -5.70
CIE <sub>LCh</sub>	47, 14.243, 336.423
Yxy	16.0195, 0.3253, 0.2973
Android (android.graphics.Color)	4286670969 (0xFF816879)
YUV	113.4130, 3.7404, 13.6698
Hunter-Lab	40.0243, 8.1335, -2.1038

# Details

The CIELCh color  $47, 14.243, 336.423$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $52, 14.116, 153.711$ , and the grayscale version is  $48, 0.006, 296.813$ .

A 20% lighter version of the original color is  $67, 14.276, 336.696$ , and  $27, 14.143, 334.941$  is the 20% darker color. If you saturate the color by 10%, you get  $44, 21.650, 337.187$ , and if you desaturate by 10%, it is  $51, 6.837, 335.697$ .

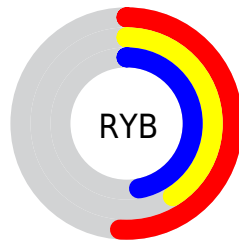
# Distribution



Red (51%)

Green (41%)

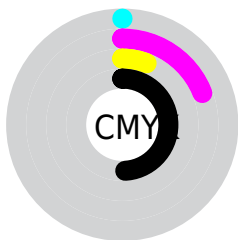
Blue (47%)



Red (51%)

Yellow (41%)

Blue (47%)

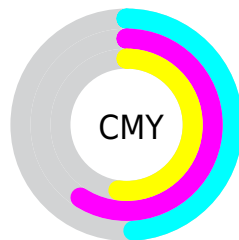


Cyan (0%)

Magenta (19%)

Yellow (6%)

Black (49%)



Cyan (49%)

Magenta (59%)


Yellow (52%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 14.243, 336.423 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, 14.243, 336.423 by changing the saturation by 10% instead.




 47, 14.243,  
336.423


 47, 14.243,  
336.423

 100, 14.243,  
336.423


 37, 14.243,  
336.423

 67, 14.243,  
336.423


 27, 14.243,  
336.423

 77, 14.243,  
336.423

 17, 14.243,  
336.423

 87, 14.243,  
336.423

 7, 14.243, 336.423

 97, 14.243,  
336.423

 0, 14.243, 336.423

 47, 14.243,

 47, 14.243,

336.423

44, 21.650,  
337.187

40, 28.916,  
338.005

37, 35.827,  
338.893

34, 42.106,  
339.875

32, 47.426,  
340.985

30, 51.458,  
342.275

29, 53.955,  
343.811

28, 55.298,  
345.565

336.423

51, 6.837, 335.697

54, 0.466, 155.606

58, 7.607, 154.476

62, 14.556,  
153.871

66, 21.299,  
153.311

70, 27.833,  
152.786

73, 34.164,  
152.292

77, 40.301,  
151.827

81, 46.257,

■ 28, 55.388,  
345.678

151.390

# Harmonies

# Complementary

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



47, 14.243, 336.423



52, 14.116, 153.711

# Rectangle

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



47, 14.243, 336.423



47, 14.243, 26.423



47, 14.243, 156.423



47, 14.243, 206.423

# Sweetspot

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



47, 14.241, 336.424



66, 5.431, 335.460



46, 15.271, 303.565



34, 3.587, 335.499



85, 0.010, 296.813



36, 0.005, 296.813





# Same Dimension

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



47, 14.241, 336.424



59, 21.040, 336.738



47, 10.821, 6.358



25, 4.075, 335.678



27, 54.863, 345.647



0, 0.000, 0.000



# Inverse Universe

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



47, 14.241, 336.424



59, 21.040, 336.738



52, 10.003, 182.906



25, 4.075, 335.678



27, 54.863, 345.647

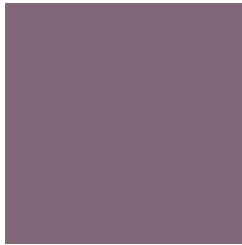


0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 47, 14.243, 336.423 looks on a white background.

## Color Contrast Check

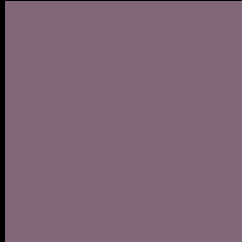
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.243, 336.423 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, 14.243, 336.423

## Background



This preview shows how black text looks on a background with the CIELCh color 47, 14.243, 336.423.



This preview shows how white text looks on a background with the CIELCh color 47, 14.243, 336.423.

# 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



### Original Color

47, 14.243, 336.423

### Protanopia

47, 8.310, 285.986

### Deuteranopia

47, 8.196, 320.213





**Tritanopia**  
47, 10.224, 353.277

# Trichromacy



**Original Color**  
47, 14.243, 336.423

**Protanomaly**  
47, 9.343, 308.430

**Deuteranomaly**  
47, 9.810, 328.981

**Tritanomaly**  
47, 11.768, 343.942

# Monochromacy



**Original Color**  
47, 14.243, 336.423

**Achromatopsia**  
48, 0.006, 296.813

**Achromatomaly**  
48, 5.813, 334.787

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 14.243, 336.423 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(129, 104, 121)` looks like.

```
.text, #text, p{  
    color:rgb(129, 104, 121)  
}
```

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(129, 104, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 104, 121) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 14.243, 336.423 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(129, 104, 121) }
```

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

```
.border{ border-color:rgb(129, 104, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 104, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 104, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 104, 121);  
box-shadow:4px 4px 4px 4px rgb(129, 104,  
121) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 14.243, 336.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 104, 121) }
```

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

```
.background{ background-color: rgb(129,  
104, 121) }
```

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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