

# Converting Colors

CIELCh(47, 24.167, 336.565)

Have a look what the booklet for  
CIELCh(47, 24.167, 336.565)  
contains.

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**Color**

**CIELCh(47, 24.451, 336.521)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8D6280
RGB	141, 98, 128
RGB Percent	55%, 38%, 50%
CMY	0.4462, 0.6149, 0.4972
CMYK	0.00, 0.30, 0.09, 0.45
HSL	318°, 18%, 47%
HSV	318°, 30%, 55%
XYZ	19.3185, 16.0195, 22.5689
YIQ	114.2770, 15.9980, 18.4460

# Conversions

## Conversions Part 2

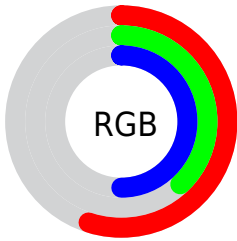
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 98, 128
Decimal	9265792
CIE <sub>Lab</sub>	47.00, 22.43, -9.74
CIE <sub>LCh</sub>	47, 24.451, 336.521
Yxy	16.0195, 0.3336, 0.2766
Android (android.graphics.Color)	4287455872 (0xFF8D6280)
YUV	114.2770, 6.7654, 23.4361
Hunter-Lab	40.0243, 16.1141, -5.4154

# Details

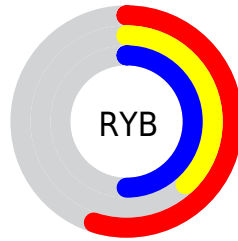
The CIELCh color  $47, 24.451, 336.521$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $55, 24.186, 151.997$ , and the grayscale version is  $48, 0.006, 296.813$ .

A 20% lighter version of the original color is  $67, 24.600, 336.126$ , and  $27, 24.202, 336.494$  is the 20% darker color. If you saturate the color by 10%, you get  $43, 32.307, 337.328$ , and if you desaturate by 10%, it is  $51, 16.401, 335.766$ .

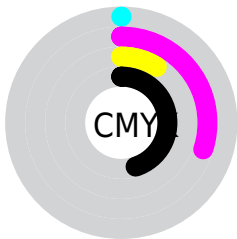
# Distribution



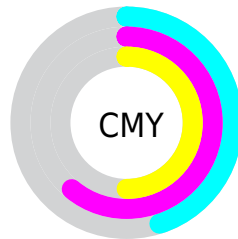
- Red (55%)
- Green (38%)
- Blue (50%)



- Red (55%)
- Yellow (38%)
- Blue (50%)



- Cyan (0%)
- Magenta (30%)
- Yellow (9%)
- Black (45%)




- Cyan (45%)
- Magenta (61%)
- Yellow (50%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 24.451, 336.521 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, 24.451, 336.521 by changing the saturation by 10% instead.





 47, 24.451,  
336.521


 47, 24.451,  
336.521


 100, 24.451,  
336.521


 37, 24.451,  
336.521

 67, 24.451,  
336.521


 27, 24.451,  
336.521

 77, 24.451,  
336.521

 17, 24.451,  
336.521

 87, 24.451,  
336.521

 7, 24.451, 336.521

 97, 24.451,  
336.521

 0, 24.451, 336.521

 47, 24.451,

 47, 24.451,

336.521

336.521

43, 32.307,  
337.328

51, 16.401,  
335.766

40, 39.733,  
338.201

55, 8.335, 335.047

37, 46.410,  
339.161

59, 0.367, 333.699

63, 7.434, 153.825

35, 51.976,  
340.243

67, 15.029,  
153.217

33, 56.077,  
341.494

71, 22.399,  
152.655

32, 58.473,  
342.980

75, 29.543,  
152.128

31, 59.613,  
344.588

79, 36.463,  
151.632

83, 43.171,



# Harmonies

# Complementary

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



47, 24.451, 336.521



55, 24.186, 151.997

# Rectangle

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



47, 24.451, 336.521



47, 24.451, 26.521



47, 24.451, 156.521



47, 24.451, 206.521

# Sweetspot

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



47, 24.449, 336.522



70, 8.878, 334.956



44, 26.289, 303.805



36, 6.154, 335.049



88, 0.010, 296.813



39, 0.006, 296.813





# Same Dimension

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



47, 24.449, 336.522



57, 36.682, 337.107



46, 18.871, 6.526



28, 4.537, 334.956



29, 57.786, 344.500



1, 3.042, 334.381



# Inverse Universe

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



47, 24.449, 336.522



57, 36.682, 337.107



55, 16.690, 180.512



28, 4.537, 334.956



29, 57.786, 344.500

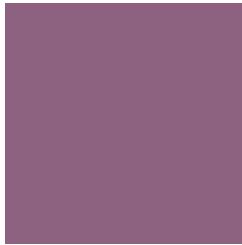


1, 3.042, 334.381



# Previews

## White Background



This preview shows how the CIELCh color 47, 24.451, 336.521 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 47, 24.451, 336.521 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, 24.451, 336.521

## Background



This preview shows how black text looks on a background with the CIELCh color 47, 24.451, 336.521.



This preview shows how white text looks on a background with the CIELCh color 47, 24.451, 336.521.

# 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, 24.451, 336.521

### Protanopia

47, 15.444, 285.446

### Deuteranopia

47, 10.477, 306.579





**Tritanopia**  
47, 16.107, 6.818

# Trichromacy



**Original Color**  
47, 24.451, 336.521

**Protanomaly**  
47, 17.405, 308.795

**Deuteranomaly**  
47, 15.273, 322.775

**Tritanomaly**  
47, 18.277, 353.132

# Monochromacy



**Original Color**  
47, 24.451, 336.521

**Achromatopsia**  
48, 0.006, 296.813

**Achromatomaly**  
47, 9.194, 335.630

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 24.451, 336.521 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(141, 98, 128)` looks like.

```
.text, #text, p{  
    color:rgb(141, 98, 128)  
}
```

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(141, 98, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 98, 128) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 24.451, 336.521 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(141, 98, 128) }
```

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

```
.border{ border-color:rgb(141, 98, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 98, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 98, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 98, 128);  
box-shadow:4px 4px 4px 4px rgb(141, 98,  
128) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 24.451, 336.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 98, 128) }
```

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

```
.background{ background-color: rgb(141, 98,  
128) }
```

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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