

# Converting Colors

CIELCh(47, 31.808, 337.032)

Have a look what the booklet for  
CIELCh(47, 31.808, 337.032)  
contains.

<b>CIELCh(47, 32.028, 336.958)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(47, 32.028, 336.958)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	965D85
RGB	150, 93, 133
RGB Percent	59%, 36%, 52%
CMY	0.4116, 0.6351, 0.4783
CMYK	0.00, 0.38, 0.11, 0.41
HSL	318°, 23%, 48%
HSV	318°, 38%, 59%
XYZ	20.7412, 16.0195, 24.2054
YIQ	114.6030, 21.1320, 24.5240

# Conversions

## Conversions Part 2

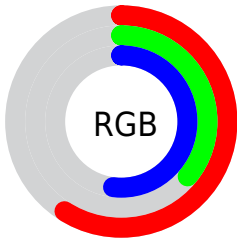
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	150, 93, 133
Decimal	9854341
CIE <sub>Lab</sub>	47.00, 29.47, -12.54
CIE <sub>LCh</sub>	47, 32.028, 336.958
Y <sub>xy</sub>	16.0195, 0.3402, 0.2628
Android (android.graphics.Color)	4288044421 (0xFF965D85)
YUV	114.6030, 9.0697, 31.0432
Hunter-Lab	40.0243, 22.4588, -7.8396

# Details

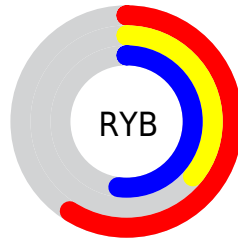
The CIELCh color  $47, 32.028, 336.958$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $57, 31.671, 151.054$ , and the grayscale version is  $48, 0.006, 296.813$ .

A 20% lighter version of the original color is  $67, 32.167, 336.929$ , and  $27, 31.847, 337.446$  is the 20% darker color. If you saturate the color by 10%, you get  $44, 39.976, 337.812$ , and if you desaturate by 10%, it is  $51, 23.681, 336.166$ .

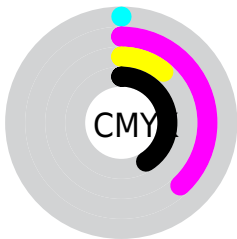
# Distribution



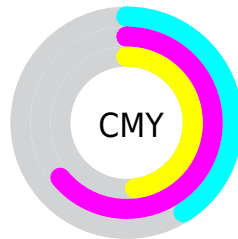
- Red (59%)
- Green (36%)
- Blue (52%)



- Red (59%)
- Yellow (36%)
- Blue (52%)



- Cyan (0%)
- Magenta (38%)
- Yellow (11%)
- Black (41%)



- Cyan (41%)
- Magenta (64%)
- Yellow (48%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 32.028, 336.958 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, 32.028, 336.958 by changing the saturation by 10% instead.





 47, 32.028,  
336.958

 47, 32.028,  
336.958


 100, 32.028,  
336.958


 37, 32.028,  
336.958

 67, 32.028,  
336.958


 27, 32.028,  
336.958

 77, 32.028,  
336.958

 17, 32.028,  
336.958

 87, 32.028,  
336.958

 7, 32.028, 336.958

 97, 32.028,  
336.958

 0, 32.028, 336.958

 47, 32.028,

 47, 32.028,

336.958

336.958

44, 39.976,  
337.812

51, 23.681,  
336.166

40, 47.212,  
338.745

55, 15.183,  
335.422

38, 53.356,  
339.789

59, 6.698, 334.704

36, 58.023,  
340.988

63, 1.662, 154.255

67, 9.832, 153.501

34, 60.923,  
342.403

72, 17.779,  
152.906

33, 62.190,  
344.067

76, 25.486,  
152.352

33, 62.410,  
344.407

80, 32.954,  
151.832

85, 40.188,



# Harmonies

# Complementary

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



47, 32.028, 336.958



57, 31.671, 151.054

# Rectangle

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



47, 32.028, 336.958



47, 32.028, 26.958



47, 32.028, 156.958



47, 32.028, 206.958

# Sweetspot

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



47, 32.026, 336.959



73, 11.390, 334.936



43, 34.841, 303.894



37, 7.638, 335.021



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



47, 32.026, 336.959



56, 47.291, 337.716



46, 25.162, 6.442



29, 4.685, 334.791



30, 58.708, 344.245



1, 4.068, 334.214



# Inverse Universe

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



47, 32.026, 336.959



56, 47.291, 337.716



58, 21.680, 178.401



29, 4.685, 334.791



30, 58.708, 344.245

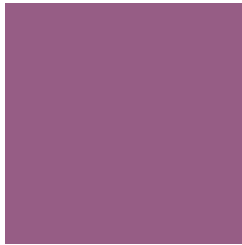


1, 4.068, 334.214



# Previews

## White Background



This preview shows how the CIELCh color 47, 32.028, 336.958 looks on a white background.

## Color Contrast Check

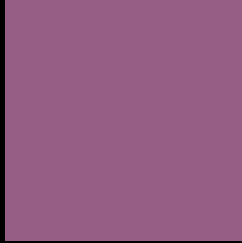
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.028, 336.958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

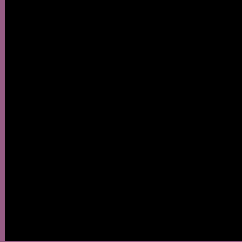
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 47, 32.028, 336.958

## Background



This preview shows how black text looks on a background with the CIELCh color 47, 32.028, 336.958.



This preview shows how white text looks on a background with the CIELCh color 47, 32.028, 336.958.

# 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, 32.028, 336.958

### Protanopia

47, 20.215, 284.864

### Deuteranopia

47, 12.628, 300.533





**Tritanopia**  
47, 21.348, 9.742

# Trichromacy



**Original Color**  
47, 32.028, 336.958

**Protanomaly**  
47, 22.844, 308.009

**Deuteranomaly**  
47, 19.088, 321.442

**Tritanomaly**  
47, 24.264, 354.078

# Monochromacy



**Original Color**  
47, 32.028, 336.958

**Achromatopsia**  
48, 0.006, 296.813

**Achromatomaly**  
48, 12.255, 334.774

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 32.028, 336.958 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(150, 93, 133)` looks like.

```
.text, #text, p{  
    color:rgb(150, 93, 133)  
}
```

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(150, 93, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 93, 133) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 32.028, 336.958 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(150, 93, 133) }
```

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

```
.border{ border-color:rgb(150, 93, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 93, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 93, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 93, 133);  
box-shadow:4px 4px 4px 4px rgb(150, 93,  
133) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 32.028, 336.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 93, 133) }
```

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

```
.background{ background-color: rgb(150, 93,  
133) }
```

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