

# Converting Colors

CIELCh(48, 28.729, 357.163)

Have a look what the booklet for  
CIELCh(48, 28.729, 357.163)  
contains.

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**Color**

**CIELCh(48, 28.678, 357.185)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E5F75
RGB	158, 95, 117
RGB Percent	62%, 37%, 46%
CMY	0.3796, 0.6267, 0.5405
CMYK	0.00, 0.40, 0.26, 0.38
HSL	339°, 25%, 50%
HSV	339°, 40%, 62%
XYZ	21.4691, 16.7945, 18.9955
YIQ	116.3450, 30.4860, 20.1980

# Conversions

## Conversions Part 2

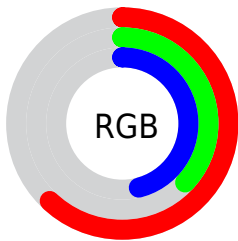
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 95, 117
Decimal	10379125
CIE <sub>Lab</sub>	48.00, 28.64, -1.41
CIE <sub>LCh</sub>	48, 28.678, 357.185
Yxy	16.7945, 0.3749, 0.2933
Android (android.graphics.Color)	4288569205 (0xFF9E5F75)
YUV	116.3450, 0.3229, 36.5314
Hunter-Lab	40.9810, 21.7955, 1.2047

# Details

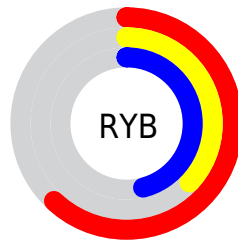
The CIELCh color  $48, 28.678, 357.185$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $61, 26.053, 168.622$ , and the grayscale version is  $49, 0.007, 296.813$ .

A 20% lighter version of the original color is  $68, 28.419, 357.478$ , and  $28, 28.633, 357.353$  is the 20% darker color. If you saturate the color by 10%, you get  $44, 35.872, 358.884$ , and if you desaturate by 10%, it is  $52, 21.313, 355.771$ .

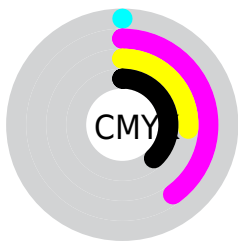
# Distribution



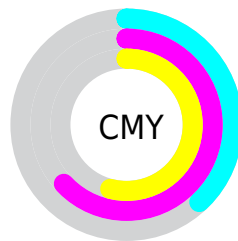
- Red (62%)
- Green (37%)
- Blue (46%)



- Red (62%)
- Yellow (37%)
- Blue (46%)



- Cyan (0%)
- Magenta (40%)
- Yellow (26%)
- Black (38%)



- Cyan (38%)
- Magenta (63%)
- Yellow (54%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 28.678, 357.185 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 48, 28.678, 357.185 by changing the saturation by 10% instead.




 48, 28.678,  
357.185


 48, 28.678,  
357.185


 100, 28.678,  
357.185


 38, 28.678,  
357.185

 68, 28.678,  
357.185

 28, 28.678,  
357.185

 78, 28.678,  
357.185

 18, 28.678,  
357.185

 88, 28.678,  
357.185

 8, 28.678, 357.185

 98, 28.678,  
357.185

 0, 28.678, 357.185

 48, 28.678,

 48, 28.678,

357.185

357.185

44, 35.872,  
358.884

52, 21.313,  
355.771

41, 42.625, 0.965

56, 13.985,  
354.562

38, 48.602, 3.565

61, 6.820, 353.494

36, 53.490, 6.848

65, 0.110, 176.155

34, 57.128, 10.972

70, 6.770, 171.880

33, 59.944, 15.758

74, 13.151,  
171.119

33, 59.995, 15.836

79, 19.260,  
170.444

84, 25.112,  
169.831

88, 30.723,



# Harmonies

# Complementary

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



48, 28.678, 357.185



61, 26.053, 168.622

# Rectangle

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



48, 28.678, 357.185



48, 28.678, 47.185



48, 28.678, 177.185



48, 28.678, 227.185

# Sweetspot

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



48, 28.676, 357.187



76, 10.387, 353.743



47, 39.920, 315.817



40, 6.959, 353.869



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



48, 28.676, 357.187



58, 42.954, 358.718



50, 24.706, 34.834



31, 3.916, 353.434



30, 55.569, 15.302



1, 4.990, 353.837



# Inverse Universe

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



48, 28.676, 357.187



58, 42.954, 358.718



58, 18.521, 214.868



31, 3.916, 353.434



30, 55.569, 15.302

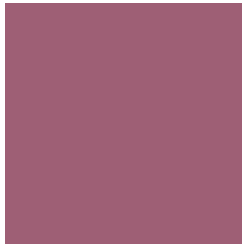


1, 4.990, 353.837



# Previews

## White Background



This preview shows how the CIELCh color 48, 28.678, 357.185 looks on a white background.

## Color Contrast Check

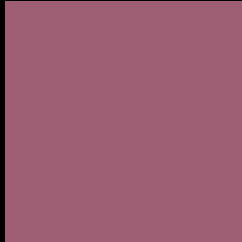
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 28.678, 357.185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

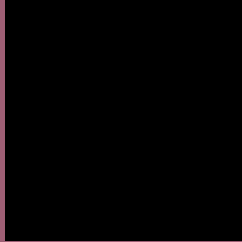
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 48, 28.678, 357.185**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 48, 28.678, 357.185.



This preview shows how white text looks on a background with the CIELCh color 48, 28.678, 357.185.

# 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**  
48, 28.678, 357.185

**Protanopia**  
48, 8.271, 285.953

**Deuteranopia**  
48, 6.031, 3.131





**Tritanopia**  
48, 26.067, 12.822

# Trichromacy



**Original Color**  
48, 28.678, 357.185

**Protanomaly**  
48, 13.365, 332.541

**Deuteranomaly**  
48, 14.465, 357.427

**Tritanomaly**  
48, 26.729, 6.875

# Monochromacy



**Original Color**  
48, 28.678, 357.185

**Achromatopsia**  
49, 0.007, 296.813

**Achromatomaly**  
48, 10.546, 354.349

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 48, 28.678, 357.185 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(158, 95, 117)` looks like.

```
.text, #text, p{  
    color:rgb(158, 95, 117)  
}
```

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(158, 95, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 95, 117) }
```

## Border

The CSS property to change the border of an element to CIELCh 48, 28.678, 357.185 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(158, 95, 117) }
```

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

```
.border{ border-color:rgb(158, 95, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 95, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 95, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 95, 117);  
box-shadow:4px 4px 4px 4px rgb(158, 95,  
117) }
```

# Background

The CSS property to change the background color of an element to CIELCh 48, 28.678, 357.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 95, 117) }
```

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

```
.background{ background-color: rgb(158, 95,  
117) }
```

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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