

# Converting Colors

CIELCh(44, 28.790, 342.080)

Have a look what the booklet for  
CIELCh(44, 28.790, 342.080)  
contains.

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**Color**

**CIELCh(44, 28.568, 342.181)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8D5777
RGB	141, 87, 119
RGB Percent	55%, 34%, 47%
CMY	0.4466, 0.6584, 0.5329
CMYK	0.00, 0.38, 0.16, 0.45
HSL	324°, 24%, 45%
HSV	324°, 38%, 55%
XYZ	17.7541, 13.8382, 19.2193
YIQ	106.7940, 21.9120, 21.4000

# Conversions

## Conversions Part 2

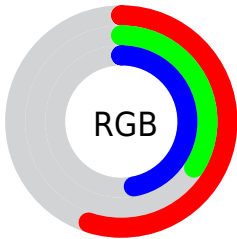
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 87, 119
Decimal	9262967
CIE <sub>Lab</sub>	44.00, 27.20, -8.74
CIE <sub>LCh</sub>	44, 28.568, 342.181
Yxy	13.8382, 0.3494, 0.2723
Android (android.graphics.Color)	4287453047 (0xFF8D5777)
YUV	106.7940, 6.0176, 29.9987
Hunter-Lab	37.1997, 20.0920, -4.5924

# Details

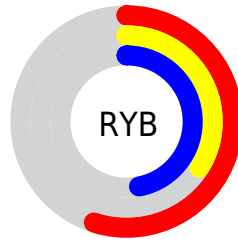
The CIELCh color  $44, 28.568, 342.181$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $54, 27.840, 155.578$ , and the grayscale version is  $45, 0.006, 296.813$ .

A 20% lighter version of the original color is  $64, 28.485, 342.623$ , and  $24, 28.355, 341.581$  is the 20% darker color. If you saturate the color by 10%, you get  $41, 35.685, 343.252$ , and if you desaturate by 10%, it is  $48, 21.132, 341.227$ .

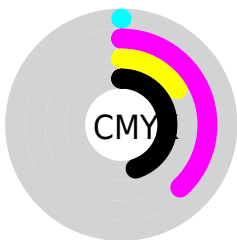
# Distribution



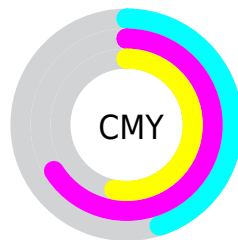
- Red (55%)
- Green (34%)
- Blue (47%)



- Red (55%)
- Yellow (34%)
- Blue (47%)



- Cyan (0%)
- Magenta (38%)
- Yellow (16%)
- Black (45%)



- Cyan (45%)
- Magenta (66%)
- Yellow (53%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 28.568, 342.181 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 44, 28.568, 342.181 by changing the saturation by 10% instead.





 44, 28.568,  
342.181


 44, 28.568,  
342.181


 100, 28.568,  
342.181

 34, 28.568,  
342.181

 64, 28.568,  
342.181


 24, 28.568,  
342.181

 74, 28.568,  
342.181

 14, 28.568,  
342.181

 84, 28.568,  
342.181

 4, 28.568, 342.181

 94, 28.568,  
342.181

 0, 28.568, 342.181

 44, 28.568,

 44, 28.568,

342.181

342.181

41, 35.685,  
343.252

48, 21.132,  
341.227

38, 42.204,  
344.477

51, 13.597,  
340.358

35, 47.776,  
345.916

55, 6.105, 339.543

33, 52.045,  
347.650

59, 1.253, 159.094

63, 8.422, 158.222

31, 54.741,  
349.785

68, 15.377,  
157.578

30, 56.068,  
352.344

72, 22.110,  
156.986

30, 56.290,  
352.790

76, 28.623,  
156.434

80, 34.923,



# Harmonies

# Complementary

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



44, 28.568, 342.181



54, 27.840, 155.578

# Rectangle

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



44, 28.568, 342.181



44, 28.568, 32.181



44, 28.568, 162.181



44, 28.568, 212.181

# Sweetspot

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



44, 28.566, 342.182



69, 10.090, 339.783



41, 33.734, 307.673



35, 6.762, 339.876



88, 0.010, 296.813



39, 0.006, 296.813





# Same Dimension

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



44, 28.566, 342.182



53, 42.230, 343.106



43, 23.919, 15.320



28, 4.211, 339.618



29, 54.593, 352.654



1, 2.819, 338.979



# Inverse Universe

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



44, 28.566, 342.182



53, 42.230, 343.106



55, 19.402, 188.259



28, 4.211, 339.618



29, 54.593, 352.654

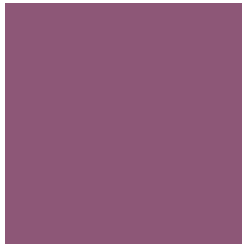


1, 2.819, 338.979



# Previews

## White Background



This preview shows how the CIELCh color 44, 28.568, 342.181 looks on a white background.

## Color Contrast Check

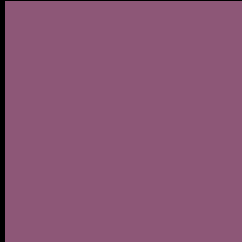
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 28.568, 342.181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

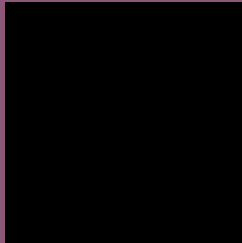
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 44, 28.568, 342.181

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 28.568, 342.181.



This preview shows how white text looks on a background with the CIELCh color 44, 28.568, 342.181.

# 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

44, 28.568, 342.181

### Protanopia

44, 16.236, 285.989

### Deuteranopia

44, 9.449, 308.461





**Tritanopia**  
44, 21.139, 11.226

# Trichromacy



**Original Color**  
44, 28.568, 342.181

**Protanomaly**  
44, 18.692, 312.985

**Deuteranomaly**  
44, 15.858, 329.152

**Tritanomaly**  
44, 22.941, 358.536

# Monochromacy



**Original Color**  
44, 28.568, 342.181

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
44, 10.217, 340.810

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 28.568, 342.181 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, 87, 119)` looks like.

```
.text, #text, p{  
    color:rgb(141, 87, 119)  
}
```

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, 87, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 87, 119) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 28.568, 342.181 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, 87, 119) }
```

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

```
.border{ border-color:rgb(141, 87, 119) }
```

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

Here you see how a box with a 4 pixel rgb(141, 87, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 87, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 87, 119);  
box-shadow:4px 4px 4px 4px rgb(141, 87,  
119) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 28.568, 342.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 87, 119) }
```

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

```
.background{ background-color: rgb(141, 87,  
119) }
```

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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