

# Converting Colors

CIELCh(43, 25.545, 342.389)

Have a look what the booklet for  
CIELCh(43, 25.545, 342.389)  
contains.

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**Color**

**CIELCh(43, 25.473, 342.371)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	875773
RGB	135, 87, 115
RGB Percent	53%, 34%, 45%
CMY	0.4713, 0.6595, 0.5497
CMYK	0.00, 0.36, 0.15, 0.47
HSL	325°, 22%, 43%
HSV	325°, 36%, 53%
XYZ	16.4404, 13.1578, 17.8395
YIQ	104.5440, 19.6200, 18.8840

# Conversions

## Conversions Part 2

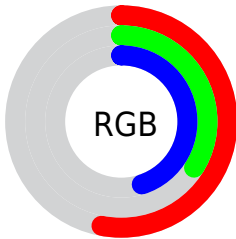
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 87, 115
Decimal	8869747
CIE <sub>Lab</sub>	43.00, 24.28, -7.71
CIE <sub>LCh</sub>	43, 25.473, 342.371
Yxy	13.1578, 0.3466, 0.2774
Android (android.graphics.Color)	4287059827 (0xFF875773)
YUV	104.5440, 5.1548, 26.7099
Hunter-Lab	36.2736, 17.4230, -3.7675

# Details

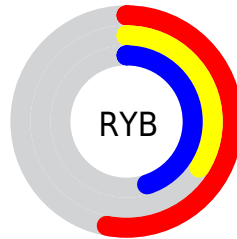
The CIELCh color  $43, 25.473, 342.371$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $52, 24.819, 156.306$ , and the grayscale version is  $44, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 25.198, 342.380$ , and  $23, 25.553, 342.250$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 32.409, 343.420$ , and if you desaturate by 10%, it is  $47, 18.302, 341.434$ .

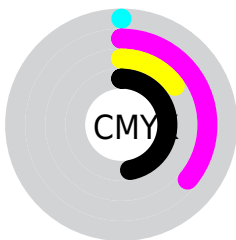
# Distribution



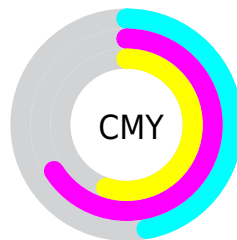
- Red (53%)
- Green (34%)
- Blue (45%)



- Red (53%)
- Yellow (34%)
- Blue (45%)



- Cyan (0%)
- Magenta (36%)
- Yellow (15%)
- Black (47%)




- Cyan (47%)
- Magenta (66%)
- Yellow (55%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 25.473, 342.371 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 43, 25.473, 342.371 by changing the saturation by 10% instead.





 43, 25.473,  
342.371


 43, 25.473,  
342.371


 100, 25.473,  
342.371


 33, 25.473,  
342.371

 63, 25.473,  
342.371


 23, 25.473,  
342.371

 73, 25.473,  
342.371

 13, 25.473,  
342.371

 83, 25.473,  
342.371

 3, 25.473, 342.371

 93, 25.473,  
342.371

 0, 25.473, 342.371

 43, 25.473,

 43, 25.473,

342.371

342.371

40, 32.409,  
343.420

47, 18.302,  
341.434

37, 38.862,  
344.615

50, 11.084,  
340.577

34, 44.516,  
346.012

54, 3.939, 339.755

32, 49.027,  
347.686

58, 3.057, 159.203

62, 9.864, 158.475

30, 52.100,  
349.740

66, 16.462,  
157.845

29, 53.690,  
352.263

70, 22.846,  
157.263

29, 54.284,  
353.416

74, 29.020,  
156.720

78, 34.994,



# Harmonies

# Complementary

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



43, 25.473, 342.371



52, 24.819, 156.306

# Rectangle

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



43, 25.473, 342.371



43, 25.473, 32.371



43, 25.473, 162.371



43, 25.473, 212.371

# Sweetspot

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



43, 25.471, 342.372



67, 9.684, 340.222



41, 30.112, 307.487



34, 6.564, 340.316



87, 0.010, 296.813



38, 0.005, 296.813





# Same Dimension

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



43, 25.471, 342.372



52, 38.057, 343.241



42, 21.272, 14.881



26, 3.932, 340.049



27, 52.922, 353.295



0, 0.933, 339.414



# Inverse Universe

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



43, 25.471, 342.372



52, 38.057, 343.241



53, 17.555, 188.483



26, 3.932, 340.049



27, 52.922, 353.295

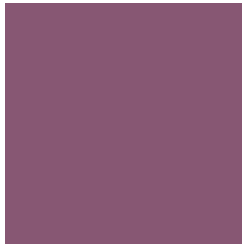


0, 0.933, 339.414



# Previews

## White Background



This preview shows how the CIELCh color 43, 25.473, 342.371 looks on a white background.

## Color Contrast Check

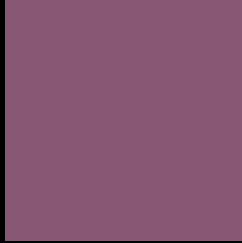
Large Text (above 18pt) WCAG AA ✓ Pass

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 43, 25.473, 342.371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

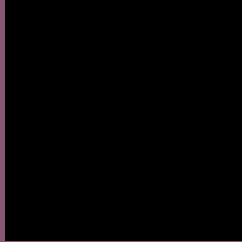
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 43, 25.473, 342.371

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 25.473, 342.371.



This preview shows how white text looks on a background with the CIELCh color 43, 25.473, 342.371.

# 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

43, 25.473, 342.371

### Protanopia

43, 13.880, 285.981

### Deuteranopia

43, 9.060, 312.016





**Tritanopia**  
43, 19.021, 9.588

# Trichromacy



**Original Color**  
43, 25.473, 342.371

**Protanomaly**  
43, 16.236, 313.331

**Deuteranomaly**  
43, 14.505, 329.457

**Tritanomaly**  
43, 20.695, 358.836

# Monochromacy



**Original Color**  
43, 25.473, 342.371

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
43, 9.247, 340.254

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 25.473, 342.371 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(135, 87, 115)` looks like.

```
.text, #text, p{  
    color:rgb(135, 87, 115)  
}
```

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(135, 87, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 87, 115) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 25.473, 342.371 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(135, 87, 115) }
```

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

```
.border{ border-color:rgb(135, 87, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 87, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 87, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 87, 115);  
box-shadow:4px 4px 4px 4px rgb(135, 87,  
115) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 25.473, 342.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 87, 115) }
```

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

```
.background{ background-color: rgb(135, 87,  
115) }
```

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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