

# Converting Colors

CIELCh(43, 36.388, 319.782)

Have a look what the booklet for  
CIELCh(43, 36.388, 319.782)  
contains.

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**Color**

**CIELCh(43, 36.309, 319.343)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80568D
RGB	128, 86, 141
RGB Percent	50%, 34%, 55%
CMY	0.4982, 0.6629, 0.4472
CMYK	0.09, 0.39, 0.00, 0.45
HSL	286°, 24%, 44%
HSV	286°, 39%, 55%
XYZ	17.0258, 13.1578, 26.8263
YIQ	104.8280, 7.3770, 26.0090

# Conversions

## Conversions Part 2

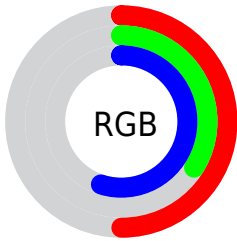
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 86, 141
Decimal	8410765
CIE <sub>Lab</sub>	43.00, 27.54, -23.66
CIE <sub>LCh</sub>	43, 36.309, 319.343
Yxy	13.1578, 0.2986, 0.2308
Android (android.graphics.Color)	4286600845 (0xFF80568D)
YUV	104.8280, 17.8328, 20.3218
Hunter-Lab	36.2736, 20.3037, -18.4565

# Details

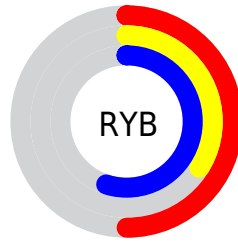
The CIELCh color  $43, 36.309, 319.343$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $54, 35.571, 135.715$ , and the grayscale version is  $44, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 36.137, 319.375$ , and  $23, 36.666, 319.460$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 45.404, 319.712$ , and if you desaturate by 10%, it is  $47, 26.964, 318.933$ .

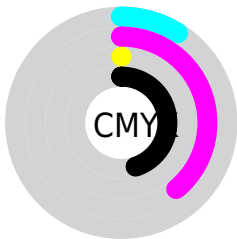
# Distribution



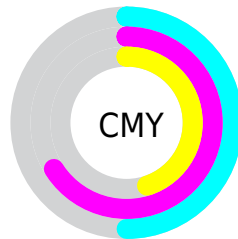
- Red (50%)
- Green (34%)
- Blue (55%)



- Red (50%)
- Yellow (34%)
- Blue (55%)



- Cyan (9%)
- Magenta (39%)
- Yellow (0%)
- Black (45%)




- Cyan (50%)
- Magenta (66%)
- Yellow (45%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 36.309, 319.343 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, 36.309, 319.343 by changing the saturation by 10% instead.





 43, 36.309,  
319.343


 43, 36.309,  
319.343


 100, 36.309,  
319.343


 33, 36.309,  
319.343

 63, 36.309,  
319.343


 23, 36.309,  
319.343

 73, 36.309,  
319.343

 13, 36.309,  
319.343

 83, 36.309,  
319.343

 3, 36.309, 319.343

 93, 36.309,  
319.343

 0, 36.309, 319.343

 43, 36.309,

 43, 36.309,

319.343

39, 45.404,  
319.712

36, 53.973,  
320.007

33, 61.649,  
320.189

31, 68.011,  
320.210

29, 72.666,  
320.022

27, 75.812,  
319.655

27, 76.122,  
319.622

319.343

47, 26.964,  
318.933

51, 17.572,  
318.504

55, 8.261, 318.069

59, 0.886, 137.847

63, 9.822, 137.295

67, 18.523,  
136.918

72, 26.979,  
136.572

76, 35.190,  
136.255

80, 43.160,



# Harmonies

# Complementary

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



43, 36.309, 319.343



54, 35.571, 135.715

# Rectangle

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



43, 36.309, 319.343



43, 36.309, 9.343



43, 36.309, 139.343



43, 36.309, 189.343

# Sweetspot

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



43, 36.307, 319.343



68, 13.684, 318.211



43, 25.087, 283.154



35, 9.053, 318.258



88, 0.010, 296.813



39, 0.006, 296.813





# Same Dimension

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



43, 36.307, 319.343



52, 54.060, 319.677



44, 32.267, 334.969



28, 5.230, 318.076



26, 73.820, 319.652



0, 3.504, 317.710



# Inverse Universe

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



43, 24.678, 5.103



52, 37.221, 6.718



54, 32.052, 149.184



28, 3.404, 1.292



27, 56.012, 24.996

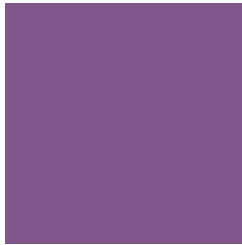


0, 2.252, 0.515



# Previews

## White Background



This preview shows how the CIELCh color 43, 36.309, 319.343 looks on a white background.

## Color Contrast Check

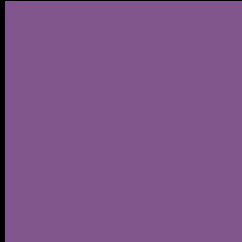
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.309, 319.343 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, 36.309, 319.343

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 36.309, 319.343.



This preview shows how white text looks on a background with the CIELCh color 43, 36.309, 319.343.

# 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, 36.309, 319.343


### Protanopia

43, 31.437, 285.309

### Deuteranopia

43, 22.974, 285.659





**Tritanopia**  
43, 12.765, 359.226

# Trichromacy



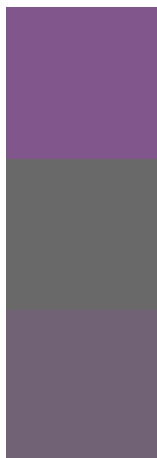
**Original Color**  
43, 36.309, 319.343

**Protanomaly**  
43, 32.041, 297.609

**Deuteranomaly**  
43, 26.817, 300.703

**Tritanomaly**  
43, 20.022, 333.752

# Monochromacy



**Original Color**  
43, 36.309, 319.343

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
44, 13.468, 317.979

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 36.309, 319.343 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(128, 86, 141)` looks like.

```
.text, #text, p{  
    color:rgb(128, 86, 141)  
}
```

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(128, 86, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 86, 141) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 36.309, 319.343 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(128, 86, 141) }
```

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

```
.border{ border-color:rgb(128, 86, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 86, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 86, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 86, 141);  
box-shadow:4px 4px 4px 4px rgb(128, 86,  
141) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 36.309, 319.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 86, 141) }
```

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

```
.background{ background-color: rgb(128, 86,  
141) }
```

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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