

# Converting Colors

CIELCh(43, 25.225, 321.184)

Have a look what the booklet for  
CIELCh(43, 25.225, 321.184)  
contains.

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# Color

**CIELCh(43, 25.261, 321.193)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A5B80
RGB	122, 91, 128
RGB Percent	48%, 36%, 50%
CMY	0.5219, 0.6434, 0.4983
CMYK	0.05, 0.29, 0.00, 0.50
HSL	290°, 17%, 43%
HSV	290°, 29%, 50%
XYZ	15.6408, 13.1578, 22.1103
YIQ	104.4870, 6.5990, 18.0790

# Conversions

## Conversions Part 2

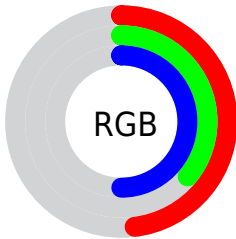
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 91, 128
Decimal	8018816
CIE <sub>Lab</sub>	43.00, 19.68, -15.83
CIE <sub>LCh</sub>	43, 25.261, 321.193
Yxy	13.1578, 0.3072, 0.2585
Android (android.graphics.Color)	4286208896 (0xFF7A5B80)
YUV	104.4870, 11.5919, 15.3589
Hunter-Lab	36.2736, 13.4882, -10.7483

# Details

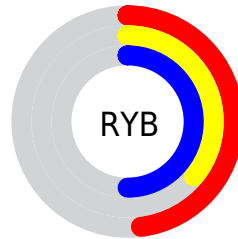
The CIELCh color  $43, 25.261, 321.193$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $50, 25.010, 138.416$ , and the grayscale version is  $44, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 25.666, 321.288$ , and  $23, 25.147, 321.240$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 33.961, 321.612$ , and if you desaturate by 10%, it is  $47, 16.463, 320.752$ .

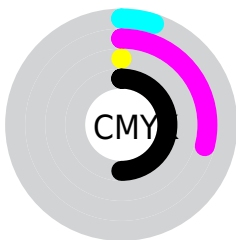
# Distribution



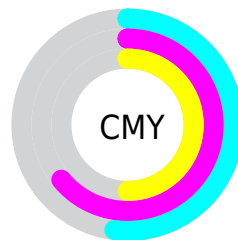
- Red (48%)
- Green (36%)
- Blue (50%)



- Red (48%)
- Yellow (36%)
- Blue (50%)



- Cyan (5%)
- Magenta (29%)
- Yellow (0%)
- Black (50%)




- Cyan (52%)
- Magenta (64%)
- Yellow (50%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 25.261, 321.193 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, 25.261, 321.193 by changing the saturation by 10% instead.





 43, 25.261,  
321.193


 43, 25.261,  
321.193


 100, 25.261,  
321.193


 33, 25.261,  
321.193

 63, 25.261,  
321.193


 23, 25.261,  
321.193

 73, 25.261,  
321.193

 13, 25.261,  
321.193

 83, 25.261,  
321.193

 3, 25.261, 321.193

 93, 25.261,  
321.193

 0, 25.261, 321.193

 43, 25.261,

 43, 25.261,

321.193

40, 33.961,  
321.612

36, 42.370,  
321.989

33, 50.219,  
322.298

31, 57.179,  
322.506

29, 62.886,  
322.578

27, 67.027,  
322.482

26, 69.893,  
322.254

26, 70.206,  
322.232

321.193

47, 16.463,  
320.752

50, 7.708, 320.299

54, 0.918, 140.056

58, 9.360, 139.482

62, 17.587,  
139.076

65, 25.587,  
138.699

69, 33.355,  
138.349

73, 40.894,  
138.025

77, 48.212,



# Harmonies

# Complementary

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



43, 25.261, 321.193



50, 25.010, 138.416

# Rectangle

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



43, 25.261, 321.193



43, 25.261, 11.193



43, 25.261, 141.193



43, 25.261, 191.193

# Sweetspot

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



43, 25.259, 321.193



64, 9.615, 320.312



42, 18.725, 286.099



33, 6.740, 320.370



85, 0.010, 296.813



36, 0.005, 296.813





# Same Dimension

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



43, 25.259, 321.193



52, 37.781, 321.485



43, 20.964, 337.741



25, 4.858, 320.307



26, 70.038, 322.234



0, 0.000, 0.000



# Inverse Universe

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



43, 16.344, 9.146



52, 24.829, 10.129



50, 20.694, 153.402



25, 3.016, 6.891



26, 56.033, 30.346

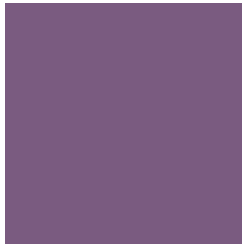


0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 43, 25.261, 321.193 looks on a white background.

## Color Contrast Check

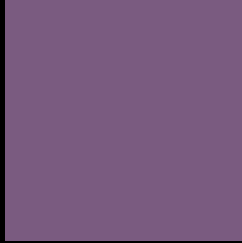
Large Text (above 18pt) WCAG AA ✓ Pass

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 43, 25.261, 321.193 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, 25.261, 321.193

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 25.261, 321.193.



This preview shows how white text looks on a background with the CIELCh color 43, 25.261, 321.193.

# 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, 25.261, 321.193

### Protanopia

43, 20.581, 284.247

### Deuteranopia

43, 15.650, 291.051





**Tritanopia**  
43, 10.159, 356.462

# Trichromacy



**Original Color**  
43, 25.261, 321.193

**Protanomaly**  
43, 21.276, 299.063

**Deuteranomaly**  
43, 18.544, 304.431

**Tritanomaly**  
43, 14.870, 334.854

# Monochromacy



**Original Color**  
43, 25.261, 321.193

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
44, 9.749, 321.022

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 25.261, 321.193 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(122, 91, 128)` looks like.

```
.text, #text, p{  
    color:rgb(122, 91, 128)  
}
```

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(122, 91, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 91, 128) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 25.261, 321.193 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(122, 91, 128) }
```

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

```
.border{ border-color:rgb(122, 91, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 91, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 91, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 91, 128);  
box-shadow:4px 4px 4px 4px rgb(122, 91,  
128) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 25.261, 321.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 91, 128) }
```

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

```
.background{ background-color: rgb(122, 91,  
128) }
```

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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