

# Converting Colors

CIELCh(43, 28.863, 325.608)

Have a look what the booklet for  
CIELCh(43, 28.863, 325.608)  
contains.

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**Color**

**CIELCh(43, 28.936, 325.394)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	805881
RGB	128, 88, 129
RGB Percent	50%, 35%, 51%
CMY	0.4980, 0.6548, 0.4941
CMYK	0.01, 0.32, 0.00, 0.49
HSL	299°, 19%, 43%
HSV	299°, 32%, 51%
XYZ	16.3590, 13.1578, 22.4521
YIQ	104.6340, 10.6790, 21.2310

# Conversions

## Conversions Part 2

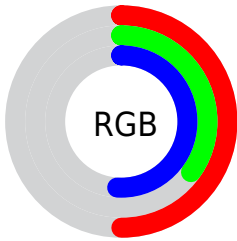
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 88, 129
Decimal	8411265
CIE <sub>Lab</sub>	43.00, 23.82, -16.43
CIE <sub>LCh</sub>	43, 28.936, 325.394
Yxy	13.1578, 0.3148, 0.2532
Android (android.graphics.Color)	4286601345 (0xFF805881)
YUV	104.6340, 12.0124, 20.4920
Hunter-Lab	36.2736, 17.0228, -11.3069

# Details

The CIELCh color  $43, 28.936, 325.394$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $50, 28.902, 141.725$ , and the grayscale version is  $44, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 28.543, 325.055$ , and  $23, 29.376, 325.251$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 37.749, 325.867$ , and if you desaturate by 10%, it is  $46, 19.854, 324.894$ .

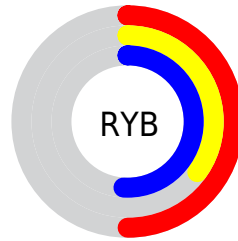
# Distribution



Red (50%)

Green (35%)

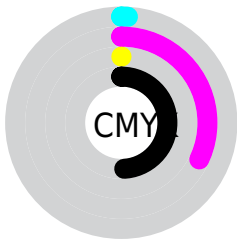
Blue (51%)



Red (50%)

Yellow (35%)

Blue (51%)

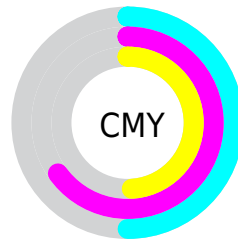


Cyan (1%)

Magenta (32%)

Yellow (0%)

Black (49%)



Cyan (50%)

Magenta (65%)

Yellow (49%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 28.936, 325.394 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, 28.936, 325.394 by changing the saturation by 10% instead.




 43, 28.936,  
325.394


 43, 28.936,  
325.394


 100, 28.936,  
325.394

 33, 28.936,  
325.394

 63, 28.936,  
325.394


 23, 28.936,  
325.394

 73, 28.936,  
325.394

 13, 28.936,  
325.394

 83, 28.936,  
325.394

 3, 28.936, 325.394

 93, 28.936,  
325.394

 0, 28.936, 325.394

 43, 28.936,

 43, 28.936,

325.394

40, 37.749,  
325.867

37, 46.044,  
326.296

35, 53.511,  
326.665

33, 59.817,  
326.957

31, 64.663,  
327.157

30, 67.871,  
327.258

29, 69.796,  
327.299

325.394

46, 19.854,  
324.894

50, 10.700,  
324.377

53, 1.609, 323.770


57, 7.330, 143.407

61, 16.061,  
142.907

64, 24.552,  
142.437

68, 32.790,  
141.993

72, 40.772,  
141.574

 76, 48.504,  
141.181

# Harmonies

# Complementary

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



43, 28.936, 325.394



50, 28.902, 141.725

# Rectangle

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



43, 28.936, 325.394



43, 28.936, 15.394



43, 28.936, 145.394



43, 28.936, 195.394

# Sweetspot

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



43, 28.934, 325.394



65, 11.280, 324.295



39, 24.249, 292.680



33, 7.665, 324.357



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, 28.934, 325.394



53, 42.795, 325.734



42, 21.263, 344.639



25, 5.063, 324.234



29, 69.203, 327.301



0, 0.000, 0.000



# Inverse Universe

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



42, 18.212, 20.124



51, 27.696, 21.092



51, 20.603, 159.111



25, 2.951, 17.896



25, 60.380, 37.385

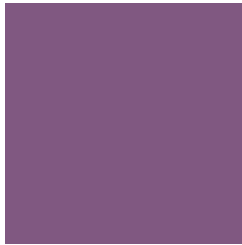


0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 43, 28.936, 325.394 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, 28.936, 325.394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

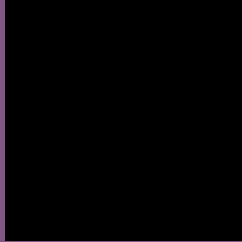
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 43, 28.936, 325.394**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 43, 28.936, 325.394.



This preview shows how white text looks on a background with the CIELCh color 43, 28.936, 325.394.

# 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, 28.936, 325.394

### Protanopia

43, 22.386, 284.449

### Deuteranopia

43, 16.250, 291.189





**Tritanopia**  
43, 13.413, 3.174

# Trichromacy



**Original Color**  
43, 28.936, 325.394

**Protanomaly**  
43, 23.773, 300.449

**Deuteranomaly**  
43, 20.081, 308.097

**Tritanomaly**  
43, 17.661, 341.874

# Monochromacy



**Original Color**  
43, 28.936, 325.394

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
44, 10.669, 323.257

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 28.936, 325.394 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, 88, 129)` looks like.

```
.text, #text, p{  
    color:rgb(128, 88, 129)  
}
```

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, 88, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 88, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 28.936, 325.394 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, 88, 129) }
```

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

```
.border{ border-color:rgb(128, 88, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 88, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 88, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 88, 129);  
box-shadow:4px 4px 4px 4px rgb(128, 88,  
129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 28.936, 325.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 88, 129) }
```

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

```
.background{ background-color: rgb(128, 88,  
129) }
```

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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