

# Converting Colors

CIELCh(43, 19.533, 306.285)

Have a look what the booklet for  
CIELCh(43, 19.533, 306.285)  
contains.

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# Color

**CIELCh(43, 19.902, 305.961)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C6080
RGB	108, 96, 128
RGB Percent	42%, 38%, 50%
CMY	0.5758, 0.6229, 0.4974
CMYK	0.16, 0.25, 0.00, 0.50
HSL	263°, 14%, 44%
HSV	263°, 25%, 50%
XYZ	14.3107, 13.1578, 22.2676
YIQ	103.2360, -3.1200, 12.4960

# Conversions

## Conversions Part 2

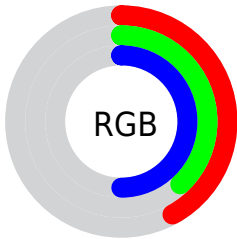
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 96, 128
Decimal	7102592
CIE <sub>Lab</sub>	43.00, 11.69, -16.11
CIE <sub>LCh</sub>	43, 19.902, 305.961
Yxy	13.1578, 0.2877, 0.2646
Android (android.graphics.Color)	4285292672 (0xFF6C6080)
YUV	103.2360, 12.2087, 4.1780
Hunter-Lab	36.2736, 6.9431, -11.0052

# Details

The CIELCh color  $43, 19.902, 305.961$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $52, 19.080, 123.344$ , and the grayscale version is  $44, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 19.695, 305.873$ , and  $23, 19.843, 305.589$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 28.280, 306.613$ , and if you desaturate by 10%, it is  $47, 11.748, 305.363$ .

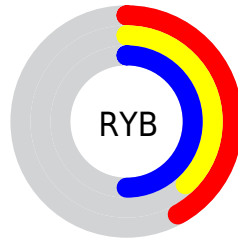
# Distribution



Red (42%)

Green (38%)

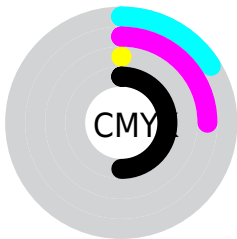
Blue (50%)



Red (42%)

Yellow (38%)

Blue (50%)

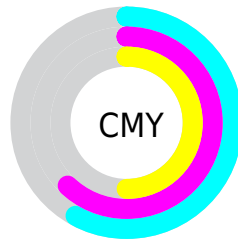


Cyan (16%)

Magenta (25%)

Yellow (0%)

Black (50%)



Cyan (58%)

Magenta (62%)


Yellow (50%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 19.902, 305.961 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, 19.902, 305.961 by changing the saturation by 10% instead.





 43, 19.902,  
305.961


 43, 19.902,  
305.961


 100, 19.902,  
305.961


 33, 19.902,  
305.961

 63, 19.902,  
305.961


 23, 19.902,  
305.961

 73, 19.902,  
305.961

 13, 19.902,  
305.961

 83, 19.902,  
305.961

 3, 19.902, 305.961

 93, 19.902,  
305.961

 0, 19.902, 305.961

 43, 19.902,

 43, 19.902,

305.961

39, 28.280,  
306.613

35, 36.830,  
307.311

31, 45.439,  
308.026

27, 53.897,  
308.712

23, 61.844,  
309.291

20, 68.738,  
309.649

18, 74.022,  
309.684

16, 76.615,  
309.759

305.961

47, 11.748,  
305.363

52, 3.843, 304.819

56, 3.810, 124.373

60, 11.215,  
123.946

64, 18.381,  
123.578

68, 25.321,  
123.259

73, 32.047,  
122.983

77, 38.570,  
122.744

■ 81, 44.904,  
122.539

# Harmonies

# Complementary

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



43, 19.902, 305.961



52, 19.080, 123.344

# Rectangle

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



43, 19.902, 305.961



43, 19.902, 355.961



43, 19.902, 125.961



43, 19.902, 175.961

# Sweetspot

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



43, 19.901, 305.960



64, 6.697, 304.935



48, 10.032, 242.696



33, 4.388, 304.959



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, 19.901, 305.960



52, 29.753, 306.327



45, 21.989, 321.885



25, 4.363, 305.038



16, 76.320, 309.764



0, 0.000, 0.000



# Inverse Universe

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



45, 17.615, 339.343



55, 26.134, 339.828



51, 21.833, 139.446



25, 3.919, 338.089



27, 53.208, 349.830



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 43, 19.902, 305.961 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, 19.902, 305.961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

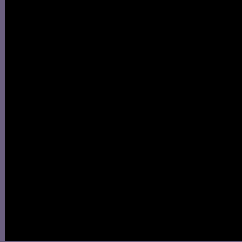
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 43, 19.902, 305.961

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 19.902, 305.961.



This preview shows how white text looks on a background with the CIELCh color 43, 19.902, 305.961.

# 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, 19.902, 305.961


### Protanopia

43, 18.729, 286.240

### Deuteranopia

43, 16.256, 289.895





**Tritanopia**  
43, 5.254, 313.581

# Trichromacy



**Original Color**  
43, 19.902, 305.961

**Protanomaly**  
43, 18.680, 292.834

**Deuteranomaly**  
43, 16.930, 296.360

**Tritanomaly**  
43, 10.072, 307.497

# Monochromacy



**Original Color**  
43, 19.902, 305.961

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
43, 6.830, 304.660

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 19.902, 305.961 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(108, 96, 128)` looks like.

```
.text, #text, p{  
    color:rgb(108, 96, 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(108, 96, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 96, 128) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 19.902, 305.961 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(108, 96, 128) }
```

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

```
.border{ border-color:rgb(108, 96, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 96, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 96, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 96, 128);  
box-shadow:4px 4px 4px 4px rgb(108, 96,  
128) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 19.902, 305.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 96, 128) }
```

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

```
.background{ background-color: rgb(108, 96,  
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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