

# Converting Colors

CIELCh(43, 13.693, 250.955)

Have a look what the booklet for  
CIELCh(43, 13.693, 250.955)  
contains.

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# Color

**CIELCh(43, 13.745, 251.102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50697B
RGB	80, 105, 123
RGB Percent	31%, 41%, 48%
CMY	0.6874, 0.5894, 0.5188
CMYK	0.35, 0.15, 0.00, 0.52
HSL	205°, 21%, 40%
HSV	205°, 35%, 48%
XYZ	11.8607, 13.1578, 20.5533
YIQ	99.5770, -20.6780, 0.2980

# Conversions

## Conversions Part 2

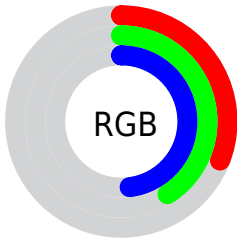
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 96, 123
Decimal	5269883
CIE <sub>Lab</sub>	43.00, -4.45, -13.00
CIE <sub>LCh</sub>	43, 13.745, 251.102
Yxy	13.1578, 0.2603, 0.2887
Android (android.graphics.Color)	4283459963 (0xFF50697B)
YUV	99.5770, 11.5475, -17.1690
Hunter-Lab	36.2736, -5.1131, -8.2032

# Details

The CIELCh color **43, 13.745, 251.102** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 15.859, 62.562**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 13.496, 251.156**, and **23, 13.691, 250.121** is the 20% darker color. If you saturate the color by 10%, you get **41, 17.355, 253.205**, and if you desaturate by 10%, it is **45, 9.975, 249.353**.

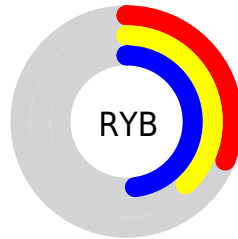
# Distribution



Red (31%)

Green (41%)

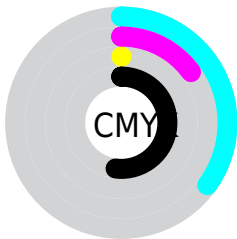
Blue (48%)



Red (31%)

Yellow (38%)

Blue (48%)

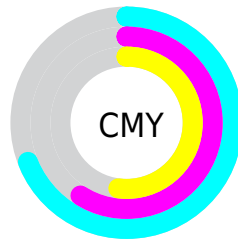


Cyan (35%)

Magenta (15%)

Yellow (0%)

Black (52%)



Cyan (69%)

Magenta (59%)


Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 13.745, 251.102 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, 13.745, 251.102 by changing the saturation by 10% instead.





 43, 13.745,  
251.102


 43, 13.745,  
251.102


 100, 13.745,  
251.102


 33, 13.745,  
251.102

 63, 13.745,  
251.102


 23, 13.745,  
251.102

 73, 13.745,  
251.102

 13, 13.745,  
251.102


 83, 13.745,  
251.102

 3, 13.745, 251.102

 93, 13.745,  
251.102

 0, 13.745, 251.102

 43, 13.745,

 43, 13.745,

251.102

■ 41, 17.355,  
253.205

■ 38, 20.790,  
255.735

■ 36, 24.044,  
258.750

■ 34, 27.135,  
262.290

■ 32, 30.108,  
266.355

■ 30, 33.048,  
270.818

■ 29, 34.567,  
272.904

251.102

■ 45, 9.975, 249.353

■ 48, 6.071, 247.914

■ 50, 2.059, 246.793

■ 53, 2.037, 65.479

■ 55, 6.194, 64.718

■ 58, 10.392, 64.006

■ 60, 14.615, 63.389

■ 63, 18.849, 62.855

■ 65, 23.083, 62.390

# Harmonies

# Complementary

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



43, 13.745, 251.102



43, 15.859, 62.562

# Rectangle

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



43, 13.745, 251.102



43, 13.745, 301.102



43, 13.745, 71.102



43, 13.745, 121.102

# Sweetspot

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



43, 13.744, 251.099



63, 5.562, 247.446



48, 22.631, 156.402



32, 3.761, 247.577



84, 0.010, 296.813



35, 0.005, 296.813



# Same Dimension

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



43, 13.744, 251.099



54, 20.254, 252.754



37, 24.407, 291.091



24, 2.286, 247.193



30, 35.075, 273.006



60, 61.717, 275.857





# Inverse Universe

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



39, 23.188, 342.382



48, 34.516, 343.197



49, 22.794, 103.089



24, 3.673, 340.128



26, 51.413, 353.311



55, 85.791, 355.222



# Previews

## White Background



This preview shows how the CIELCh color 43, 13.745, 251.102 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, 13.745, 251.102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

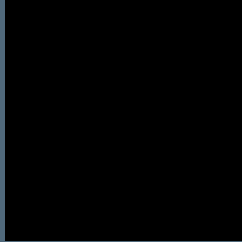
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

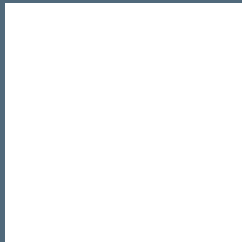
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 43, 13.745, 251.102

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 13.745, 251.102.



This preview shows how white text looks on a background with the CIELCh color 43, 13.745, 251.102.

# 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, 13.745, 251.102

### Protanopia

43, 12.082, 286.514

### Deuteranopia

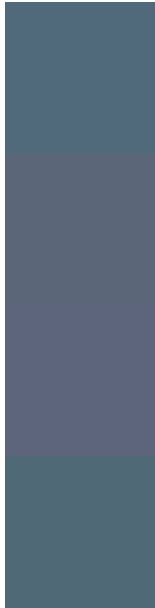
43, 15.088, 293.766



**Tritanopia**  
43, 11.458, 226.761



# Trichromacy



**Original Color**  
43, 13.745, 251.102

**Protanomaly**  
43, 12.025, 271.901

**Deuteranomaly**  
43, 14.075, 280.049

**Tritanomaly**  
43, 11.970, 235.814

# Monochromacy



**Original Color**  
43, 13.745, 251.102

**Achromatopsia**  
42, 0.006, 296.813

**Achromatomaly**  
42, 5.449, 250.165

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 13.745, 251.102 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(80, 105, 123)` looks like.

```
.text, #text, p{  
    color:rgb(80, 105, 123)  
}
```

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(80, 105, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 105, 123) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 13.745, 251.102 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(80, 105, 123) }
```

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

```
.border{ border-color:rgb(80, 105, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 105, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 105, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 105, 123);  
box-shadow:4px 4px 4px 4px rgb(80, 105,  
123) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 13.745, 251.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 105, 123) }
```

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

```
.background{ background-color: rgb(80, 105,  
123) }
```

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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