

# Converting Colors

CIELCh(43, 6.825, 298.663)

Have a look what the booklet for  
CIELCh(43, 6.825, 298.663) contains.

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# Color

**CIELCh(43, 6.692, 297.983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66646F
RGB	102, 100, 111
RGB Percent	40%, 39%, 44%
CMY	0.5990, 0.6068, 0.5637
CMYK	0.08, 0.10, 0.00, 0.56
HSL	251°, 5%, 41%
HSV	251°, 10%, 44%
XYZ	12.9750, 13.1578, 16.9713
YIQ	101.8520, -2.3390, 3.8450

# Conversions

## Conversions Part 2

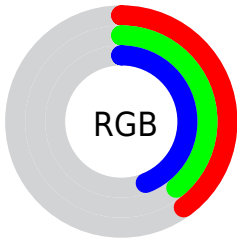
Format	Color
R <sub>Y</sub> B	102, 100, 111
Decimal	6710383
CIE Lab	43.00, 3.14, -5.91
CIE LCh	43, 6.692, 297.983
Yxy	13.1578, 0.3010, 0.3053
Android (android.graphics.Color)	4284900463 (0xFF66646F)
YUV	101.8520, 4.5100, 0.1298
Hunter-Lab	36.2736, 0.3704, -2.3484

# Details

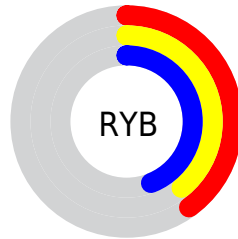
The CIELCh color  $43, 6.692, 297.983$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $46, 6.553, 116.637$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 6.774, 297.244$ , and  $23, 6.769, 299.012$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 13.701, 298.780$ , and if you desaturate by 10%, it is  $47, 0.067, 117.327$ .

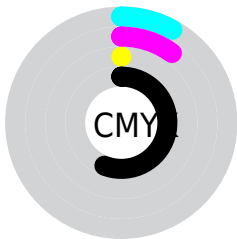
# Distribution



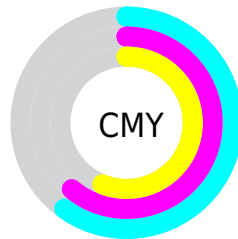
- Red (40%)
- Green (39%)
- Blue (44%)



- Red (40%)
- Yellow (39%)
- Blue (44%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (61%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 6.692, 297.983 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, 6.692, 297.983 by changing the saturation by 10% instead.



■ 43, 6.692, 297.983

■ 43, 6.692, 297.983

■ 100, 6.692,  
297.983

■ 33, 6.692, 297.983

■ 63, 6.692, 297.983

■ 23, 6.692, 297.983

■ 73, 6.692, 297.983

■ 13, 6.692, 297.983

■ 83, 6.692, 297.983

■ 3, 6.692, 297.983

■ 93, 6.692, 297.983

■ 0, 6.692, 297.983

■ 43, 6.692, 297.983

■ 43, 6.692, 297.983

■ 39, 13.701,  
298.780

■ 47, 0.067, 117.327

■ 35, 20.971,

■ 51, 6.586, 116.678

299.697

55, 12.880,  
116.154

31, 28.498,  
300.733

59, 18.963,  
115.701

27, 36.254,  
301.884

63, 24.848,  
115.310

23, 44.150,  
303.124

66, 30.549,  
114.970

20, 51.988,  
304.392

70, 36.076,  
114.676

16, 59.375,  
305.572

74, 41.440,  
114.422

14, 65.655,  
306.487

78, 46.652,  
114.201

11, 71.284,  
307.405

# Harmonies

# Complementary

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



43, 6.692, 297.983



46, 6.553, 116.637

# Rectangle

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



43, 6.692, 297.983



43, 6.692, 347.983



43, 6.692, 117.983



43, 6.692, 167.983

# Sweetspot

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



43, 6.691, 297.979



59, 2.501, 297.492



46, 3.784, 215.897



30, 1.912, 297.541



81, 0.010, 296.813



31, 0.005, 296.813



# Same Dimension

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



43, 6.691, 297.979



54, 10.151, 298.164



43, 7.282, 315.042



21, 3.825, 297.913



13, 75.300, 307.361



32, 129.292, 307.001





# Inverse Universe

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



44, 7.060, 330.443



56, 10.681, 330.593



46, 7.217, 134.288



22, 4.040, 330.389



26, 57.692, 336.676



56, 97.790, 337.260



# Previews

## White Background



This preview shows how the CIELCh color 43, 6.692, 297.983 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, 6.692, 297.983 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

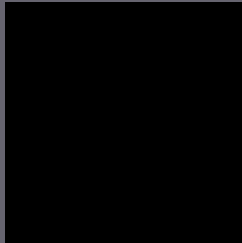
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

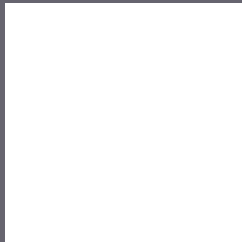
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 43, 6.692, 297.983**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 43, 6.692, 297.983.



This preview shows how white text looks on a background with the CIELCh color 43, 6.692, 297.983.

# 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, 6.692, 297.983

### Protanopia

43, 6.627, 287.723

### Deuteranopia

43, 8.503, 313.443



**Tritanopia**  
43, 4.840, 295.644



# Trichromacy



## Original Color

43, 6.692, 297.983

## Protanomaly

43, 6.622, 291.140

## Deuteranomaly

43, 8.231, 308.222

## Tritanomaly

43, 5.440, 295.187

# Monochromacy



## Original Color

43, 6.692, 297.983

## Achromatopsia

43, 0.006, 296.813

## Achromatomaly

43, 2.451, 300.125

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 6.692, 297.983 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(102, 100, 111)` looks like.

```
.text, #text, p{  
    color:rgb(102, 100, 111)  
}
```

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(102, 100, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 100, 111) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 6.692, 297.983 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(102, 100, 111) }
```

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

```
.border{ border-color:rgb(102, 100, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 100, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 100, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 100, 111);  
box-shadow:4px 4px 4px 4px rgb(102, 100,  
111) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 6.692, 297.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 100, 111) }
```

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

```
.background{ background-color: rgb(102,  
100, 111) }
```

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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