

Converting Colors

CIELCh(43, 35.436, 258.918)

Have a look what the booklet for
CIELCh(43, 35.436, 258.918)
contains.

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Color

CIELCh(43, 35.382, 259.244)

Conversions

Conversions Part 1

Format	Color
Hex	006C9F
RGB	0, 108, 159
RGB Percent	0%, 42%, 62%
CMY	1.0000, 0.5775, 0.3776
CMYK	1.00, 0.32, 0.00, 0.38
HSL	199°, 100%, 31%
HSV	199°, 100%, 62%
XYZ	11.5570, 13.1578, 34.6035
YIQ	81.5220, -80.7390, -7.0350

Conversions

Conversions Part 2

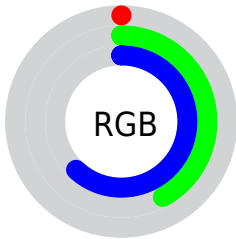
Format	Color
R_{YB}	0, 64, 159
Decimal	27807
CIE _{Lab}	43.00, -6.60, -34.76
CIE _{LCh}	43, 35.382, 259.244
Yxy	13.1578, 0.1948, 0.2218
Android (android.graphics.Color)	4278217887 (0xFF006C9F)
YUV	81.5220, 38.1967, -71.4948
Hunter-Lab	36.2736, -6.6078, -31.1686

Details

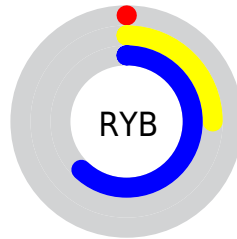
The CIELCh color **43, 35.382, 259.244** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 65.301, 48.893**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 35.478, 259.434**, and **25, 31.666, 273.564** is the 20% darker color. If you saturate the color by 10%, you get **43, 35.359, 259.311**, and if you desaturate by 10%, it is **45, 33.157, 254.598**.

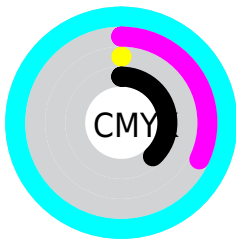
Distribution



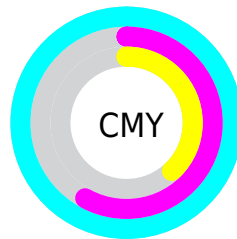
- Red (0%)
- Green (42%)
- Blue (62%)



- Red (0%)
- Yellow (25%)
- Blue (62%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (38%)




- Cyan (100%)
- Magenta (58%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 35.382, 259.244 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, 35.382, 259.244 by changing the saturation by 10% instead.


 43, 35.382,
259.244


 43, 35.382,
259.244


 100, 35.382,
259.244


 33, 35.382,
259.244

 63, 35.382,
259.244


 23, 35.382,
259.244

 73, 35.382,
259.244

 13, 35.382,
259.244

 83, 35.382,
259.244

 3, 35.382, 259.244

 93, 35.382,
259.244

 0, 35.382, 259.244

 43, 35.382,

 43, 35.382,

259.244

■ 43, 35.359,
259.311

259.244

■ 45, 33.157,
254.598

■ 47, 30.849,
250.255

■ 49, 28.240,
246.558

■ 51, 25.253,
243.493

■ 53, 21.867,
240.995

■ 55, 18.092,
238.981

■ 58, 13.969,
237.370

■ 60, 9.545, 236.090

Harmonies

Complementary

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



43, 35.382, 259.244



37, 65.301, 48.893

Rectangle

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



43, 35.382, 259.244



43, 35.382, 309.244



43, 35.382, 79.244



43, 35.382, 129.244

Sweetspot

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



43, 35.359, 259.311



73, 17.284, 237.453



57, 73.095, 141.918



38, 11.755, 238.058



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



43, 35.359, 259.311



55, 43.448, 260.386



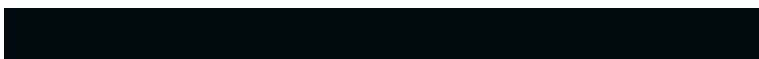
21, 82.757, 302.675



32, 2.751, 235.035



39, 32.569, 258.801



2, 3.672, 238.529

Inverse Universe

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



35, 64.061, 346.196



46, 77.611, 346.661



55, 60.484, 89.485



31, 4.872, 335.749



31, 59.397, 345.980



1, 6.169, 336.642

Previews

White Background



This preview shows how the CIE LCh color 43, 35.382, 259.244 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, 35.382, 259.244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

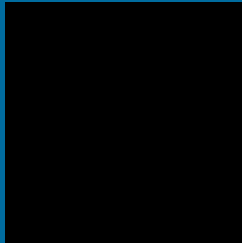
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 35.382, 259.244

Background



This preview shows how black text looks on a background with the CIELCh color 43, 35.382, 259.244.

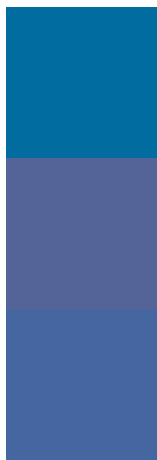


This preview shows how white text looks on a background with the CIELCh color 43, 35.382, 259.244.

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, 35.382, 259.244

Protanopia

43, 31.437, 285.309

Deuteranopia

43, 35.545, 279.622



Tritanopia
43, 26.594, 207.182

Trichromacy



Original Color
43, 35.382, 259.244

Protanomaly
42, 32.755, 269.930

Deuteranomaly
43, 35.901, 270.029

Tritanomaly
43, 27.161, 229.721

Monochromacy



Original Color
43, 35.382, 259.244

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 16.742, 240.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 35.382, 259.244 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(0, 108, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 159)  
}
```

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(0, 108, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 35.382, 259.244 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(0, 108, 159) }
```

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

```
.border{ border-color:rgb(0, 108, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 35.382, 259.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 159) }
```

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

```
.background{ background-color: rgb(0, 108,  
159) }
```

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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