

Converting Colors

CIELCh(41, 43.922, 242.328)

Have a look what the booklet for
CIELCh(41, 43.922, 242.328)
contains.

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Color

CIELCh(43, 35.436, 258.918)

Conversions

Conversions Part 1

Format	Color
Hex	006C9F
RGB	0, 108, 159
RGB Percent	0%, 42%, 62%
CMY	1.0000, 0.5771, 0.3775
CMYK	1.00, 0.32, 0.00, 0.38
HSL	199°, 100%, 31%
HSV	199°, 100%, 62%
XYZ	11.5279, 13.1578, 34.6148
YIQ	81.5220, -80.7390, -7.0350

Conversions

Conversions Part 2

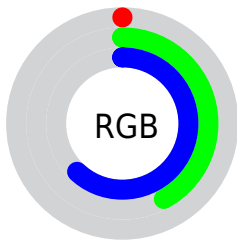
Format	Color
RYB	0, 64, 159
Decimal	27807
CIELab	43.00, -6.81, -34.78
CIELCh	43, 35.436, 258.918
Yxy	13.1578, 0.1944, 0.2219
Android (android.graphics.Color)	4278217887 (0xFF006C9F)
YUV	81.5220, 38.1967, -71.4948
Hunter-Lab	36.2736, -6.7510, -31.1871

Details

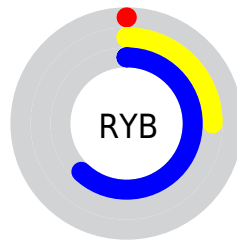
The CIELCh color **43, 35.436, 258.918** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 65.326, 48.865**, and the grayscale version is **34, 0.005, 296.813**.

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, 35.331, 259.219**, and if you desaturate by 10%, it is **45, 33.137, 254.508**.

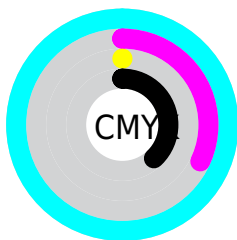
Distribution



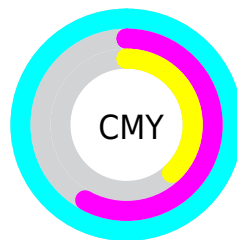
- Red (0%)
- Green (42%)
- Blue (62%)



- 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, 35.436, 258.918 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, 35.436, 258.918 by changing the saturation by 10% instead.


 43, 35.436,
258.918


 43, 35.436,
258.918


 100, 35.436,
258.918


 33, 35.436,
258.918

 63, 35.436,
258.918


 23, 35.436,
258.918

 73, 35.436,
258.918

 13, 35.436,
258.918

 83, 35.436,
258.918

 3, 35.436, 258.918

 93, 35.436,
258.918

 0, 35.436, 258.918

 43, 35.436,

 43, 35.436,

258.918

■ 43, 35.331,
259.219

258.918

■ 45, 33.137,
254.508

■ 47, 30.835,
250.167

■ 49, 28.230,
246.474

■ 51, 25.248,
243.412

■ 53, 21.864,
240.917

■ 55, 18.091,
238.907

■ 58, 13.969,
237.299

■ 60, 9.546, 236.021

Harmonies

Complementary

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



43, 35.436, 258.918



37, 65.326, 48.865

Rectangle

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



43, 35.436, 258.918



43, 35.436, 308.918



43, 35.436, 78.918



43, 35.436, 128.918

Sweetspot

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



43, 35.331, 259.219



73, 17.282, 237.382



57, 73.103, 141.918



38, 11.754, 237.985



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, 35.331, 259.219



55, 43.408, 260.294



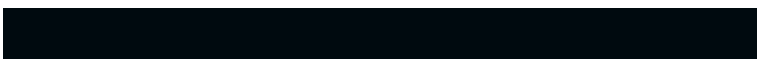
21, 82.766, 302.675



32, 2.751, 234.968



39, 32.541, 258.709



2, 3.672, 238.467

Inverse Universe

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



35, 64.088, 346.157



46, 77.635, 346.621



55, 60.490, 89.485



31, 4.874, 335.727



31, 59.415, 345.941



1, 6.171, 336.620

Previews

White Background



This preview shows how the CIELCh color 43, 35.436, 258.918 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, 35.436, 258.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

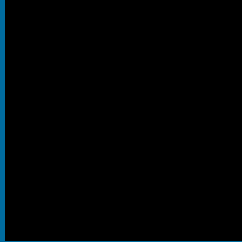
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 35.436, 258.918

Background



This preview shows how black text looks on a background with the CIELCh color 43, 35.436, 258.918.

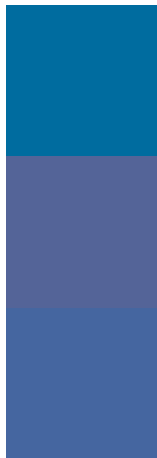


This preview shows how white text looks on a background with the CIELCh color 43, 35.436, 258.918.

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, 35.436, 258.918 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, 35.436, 258.918 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, 35.436, 258.918 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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