

Converting Colors

CIELCh(43, 35.998, 260.241)

Have a look what the booklet for
CIELCh(43, 35.998, 260.241)
contains.

CIELCh(43, 35.812, 260.017)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(43, 35.812, 260.017)

Conversions

Conversions Part 1

Format	Color
Hex	006CA0
RGB	0, 108, 160
RGB Percent	0%, 42%, 63%
CMY	1.0000, 0.5780, 0.3742
CMYK	1.00, 0.33, 0.00, 0.37
HSL	200°, 100%, 31%
HSV	200°, 100%, 63%
XYZ	11.6123, 13.1578, 34.9924
YIQ	81.6360, -81.0600, -6.7240

Conversions

Conversions Part 2

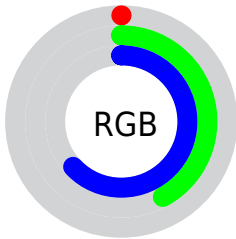
Format	Color
RYB	0, 64, 160
Decimal	27808
CIELab	43.00, -6.21, -35.27
CIELCh	43, 35.812, 260.017
Yxy	13.1578, 0.1943, 0.2202
Android (android.graphics.Color)	4278217888 (0xFF006CA0)
YUV	81.6360, 38.6335, -71.5948
Hunter-Lab	36.2736, -6.3353, -31.8043

Details

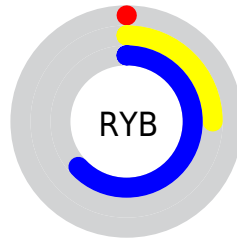
The CIELCh color **43, 35.812, 260.017** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 65.413, 49.114**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 35.903, 260.076**, and **25, 32.231, 274.290** is the 20% darker color. If you saturate the color by 10%, you get **43, 35.778, 260.117**, and if you desaturate by 10%, it is **45, 33.504, 255.383**.

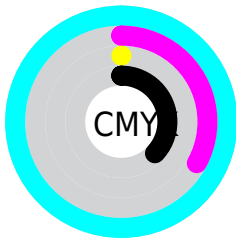
Distribution



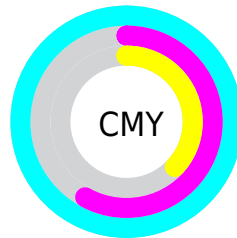
- Red (0%)
- Green (42%)
- Blue (63%)



- Red (0%)
- Yellow (25%)
- Blue (63%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (58%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 35.812, 260.017 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, 35.812, 260.017 by changing the saturation by 10% instead.


 43, 35.812,
260.017


 43, 35.812,
260.017


 100, 35.812,
260.017


 33, 35.812,
260.017

 63, 35.812,
260.017


 23, 35.812,
260.017

 73, 35.812,
260.017

 13, 35.812,
260.017

 83, 35.812,
260.017

 3, 35.812, 260.017

 93, 35.812,
260.017

 0, 35.812, 260.017

 43, 35.812,

 43, 35.812,

260.017

■ 43, 35.778,
260.117

260.017

■ 45, 33.504,
255.383

■ 47, 31.133,
251.013

■ 49, 28.469,
247.285

■ 51, 25.436,
244.189

■ 53, 22.009,
241.661

■ 55, 18.199,
239.620

■ 58, 14.045,
237.984

■ 60, 9.593, 236.682

Harmonies

Complementary

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



43, 35.812, 260.017



38, 65.413, 49.114

Rectangle

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



43, 35.812, 260.017



43, 35.812, 310.017



43, 35.812, 80.017



43, 35.812, 130.017

Sweetspot

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



43, 35.778, 260.117



73, 17.303, 238.067



57, 73.402, 141.908



38, 11.770, 238.680



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, 35.778, 260.117



55, 43.792, 261.169



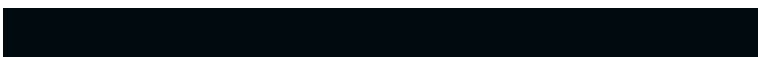
22, 83.117, 302.686



32, 2.752, 235.605



39, 32.812, 259.581



2, 3.675, 239.062

Inverse Universe

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



35, 64.140, 346.543



46, 77.404, 347.007



56, 60.722, 89.478



31, 4.857, 335.938



31, 59.239, 346.312



1, 6.150, 336.832

Previews

White Background



This preview shows how the CIELCh color 43, 35.812, 260.017 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, 35.812, 260.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

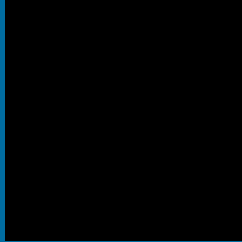
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 35.812, 260.017

Background



This preview shows how black text looks on a background with the CIELCh color 43, 35.812, 260.017.

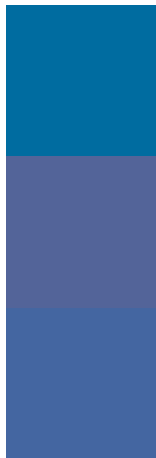


This preview shows how white text looks on a background with the CIELCh color 43, 35.812, 260.017.

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, 35.812, 260.017

Protanopia

43, 32.056, 285.082

Deuteranopia

43, 36.155, 279.651



Tritanopia
43, 26.594, 207.182

Trichromacy



Original Color
43, 35.812, 260.017

Protanomaly
42, 33.271, 270.546

Deuteranomaly
43, 35.955, 269.792

Tritanomaly
43, 27.161, 229.721

Monochromacy



Original Color
43, 35.812, 260.017

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 17.075, 242.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 35.812, 260.017 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 35.812, 260.017 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, 160) }
```

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

```
.border{ border-color:rgb(0, 108, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 35.812, 260.017 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, 160) }
```

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

```
.background{ background-color: rgb(0, 108,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor