

Converting Colors

CIELCh(39, 58.830, 227.657)

Have a look what the booklet for
CIELCh(39, 58.830, 227.657)
contains.

CIELCh(44, 35.547, 258.272)	3
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Color

CIELCh(44, 35.547, 258.272)

Conversions

Conversions Part 1

Format	Color
Hex	006FA1
RGB	0, 111, 161
RGB Percent	0%, 44%, 63%
CMY	1.0000, 0.5667, 0.3668
CMYK	1.00, 0.32, 0.00, 0.37
HSL	199°, 100%, 32%
HSV	199°, 100%, 63%
XYZ	12.0809, 13.8382, 35.9663
YIQ	83.5110, -82.2060, -7.9820

Conversions

Conversions Part 2

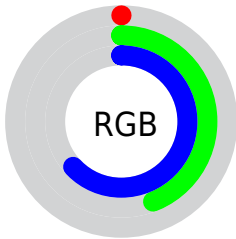
Format	Color
RYB	0, 66, 161
Decimal	28577
CIELab	44.00, -7.23, -34.80
CIELCh	44, 35.547, 258.272
Yxy	13.8382, 0.1952, 0.2236
Android (android.graphics.Color)	4278218657 (0xFF006FA1)
YUV	83.5110, 38.2021, -73.2391
Hunter-Lab	37.1997, -7.1303, -31.2843

Details

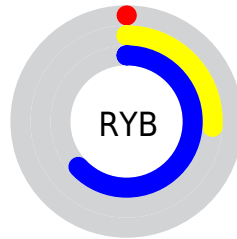
The CIELCh color **44, 35.547, 258.272** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 66.363, 48.553**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 35.229, 257.951**, and **26, 31.102, 271.445** is the 20% darker color. If you saturate the color by 10%, you get **44, 35.502, 258.399**, and if you desaturate by 10%, it is **46, 33.353, 253.685**.

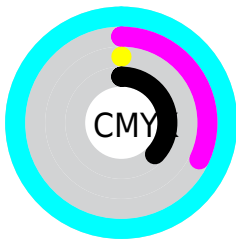
Distribution



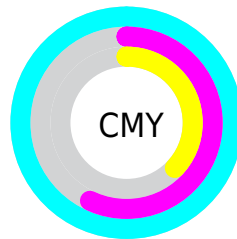
- Red (0%)
- Green (44%)
- Blue (63%)



- Red (0%)
- Yellow (26%)
- Blue (63%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (37%)




- Cyan (100%)
- Magenta (57%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 35.547, 258.272 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 44, 35.547, 258.272 by changing the saturation by 10% instead.


 44, 35.547,
258.272


 44, 35.547,
258.272


 100, 35.547,
258.272


 34, 35.547,
258.272

 64, 35.547,
258.272


 24, 35.547,
258.272

 74, 35.547,
258.272

 14, 35.547,
258.272

 84, 35.547,
258.272

 4, 35.547, 258.272

 94, 35.547,
258.272

 0, 35.547, 258.272

 44, 35.547,

 44, 35.547,

258.272

■ 44, 35.502,
258.399

258.272

■ 46, 33.353,
253.685

■ 48, 31.083,
249.360

■ 50, 28.495,
245.688

■ 52, 25.513,
242.650

■ 54, 22.113,
240.180

■ 56, 18.312,
238.194

■ 59, 14.148,
236.609

■ 61, 9.673, 235.354

Harmonies

Complementary

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



44, 35.547, 258.272



38, 66.363, 48.553

Rectangle

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



44, 35.547, 258.272



44, 35.547, 308.272



44, 35.547, 78.272



44, 35.547, 128.272

Sweetspot

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



44, 35.502, 258.399



74, 17.436, 236.688



58, 74.971, 141.362



38, 11.739, 237.278



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



44, 35.502, 258.399



56, 43.445, 259.438



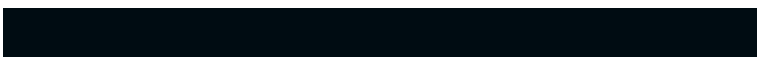
22, 82.421, 302.171



33, 2.823, 234.325



40, 32.720, 257.901



3, 4.500, 240.610

Inverse Universe

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



36, 65.076, 345.811



46, 78.582, 346.250



55, 60.768, 88.048



32, 5.023, 335.517



32, 60.353, 345.605



1, 7.444, 337.391

Previews

White Background



This preview shows how the CIE LCh color 44, 35.547, 258.272 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 44, 35.547, 258.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

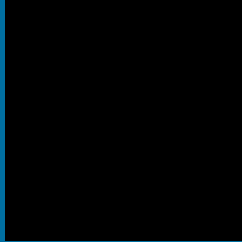
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 35.547, 258.272

Background



This preview shows how black text looks on a background with the CIELCh color 44, 35.547, 258.272.

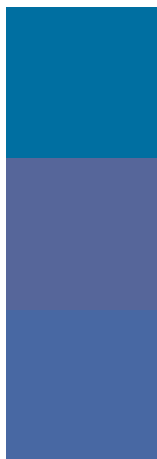


This preview shows how white text looks on a background with the CIELCh color 44, 35.547, 258.272.

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

44, 35.131, 257.477

Protanopia

44, 31.338, 285.193

Deuteranopia

44, 35.956, 280.210



Tritanopia
44, 27.107, 206.926

Trichromacy



Original Color
44, 35.131, 257.477

Protanomaly
43, 33.211, 270.283

Deuteranomaly
44, 35.849, 269.716

Tritanomaly
44, 27.587, 228.974

Monochromacy



Original Color
44, 35.131, 257.477

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 17.262, 241.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 35.547, 258.272 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, 111, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 161)  
}
```

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, 111, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 35.547, 258.272 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, 111, 161) }
```

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

```
.border{ border-color:rgb(0, 111, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 35.547, 258.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 161) }
```

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

```
.background{ background-color: rgb(0, 111,  
161) }
```

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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