

Converting Colors

CIELCh(42, 38.768, 265.967)

Have a look what the booklet for
CIELCh(42, 38.768, 265.967)
contains.

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Color

CIELCh(42, 38.851, 266.218)

Conversions

Conversions Part 1

Format	Color
Hex	0068A3
RGB	0, 104, 163
RGB Percent	0%, 41%, 64%
CMY	1.0000, 0.5928, 0.3615
CMYK	1.00, 0.36, 0.00, 0.36
HSL	202°, 100%, 32%
HSV	202°, 100%, 64%
XYZ	11.5193, 12.5000, 36.3683
YIQ	79.6300, -80.9230, -3.6990

Conversions

Conversions Part 2

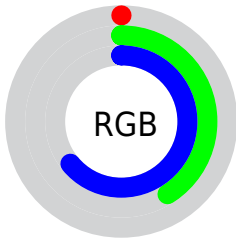
Format	Color
R _{YB}	0, 63, 163
Decimal	26787
CIE _{Lab}	42.00, -2.56, -38.77
CIE _{LCh}	42, 38.851, 266.218
Yxy	12.5000, 0.1908, 0.2070
Android (android.graphics.Color)	4278216867 (0xFF0068A3)
YUV	79.6300, 41.1014, -69.8355
Hunter-Lab	35.3553, -3.7141, -36.2400

Details

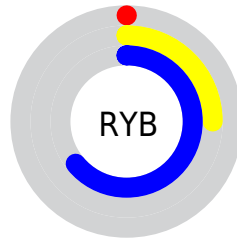
The CIELCh color **42, 38.851, 266.218** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 65.105, 51.129**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 38.641, 265.880**, and **24, 35.789, 279.410** is the 20% darker color. If you saturate the color by 10%, you get **42, 38.838, 266.261**, and if you desaturate by 10%, it is **44, 35.976, 261.459**.

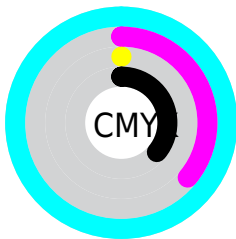
Distribution



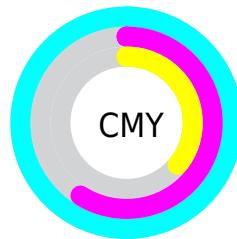
- Red (0%)
- Green (41%)
- Blue (64%)



- Red (0%)
- Yellow (25%)
- Blue (64%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (59%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 38.851, 266.218 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 42, 38.851, 266.218 by changing the saturation by 10% instead.


 42, 38.851,
266.218


 42, 38.851,
266.218


 100, 38.851,
266.218


 32, 38.851,
266.218

 62, 38.851,
266.218


 22, 38.851,
266.218

 72, 38.851,
266.218

 12, 38.851,
266.218

 82, 38.851,
266.218

 2, 38.851, 266.218

 92, 38.851,
266.218

 0, 38.851, 266.218

 42, 38.851,

 42, 38.851,

266.218

■ 42, 38.838,
266.261

266.218

■ 44, 35.976,
261.459

■ 46, 33.087,
256.949

■ 48, 29.987,
253.038

■ 51, 26.593,
249.740

■ 53, 22.867,
247.012

■ 56, 18.813,
244.781

■ 59, 14.457,
242.969

■ 61, 9.840, 241.504

Harmonies

Complementary

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



42, 38.851, 266.218



39, 65.105, 51.129

Rectangle

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



42, 38.851, 266.218



42, 38.851, 316.218



42, 38.851, 86.218



42, 38.851, 136.218

Sweetspot

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



42, 38.838, 266.261



74, 17.876, 243.060



58, 72.674, 142.999



38, 12.178, 243.751



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



42, 38.838, 266.261



54, 47.816, 267.306



21, 87.221, 303.676



33, 2.842, 240.268



38, 35.508, 265.724



3, 4.571, 246.267

Inverse Universe

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



36, 63.745, 349.450



47, 77.204, 349.996



58, 62.698, 92.197



32, 4.858, 337.540



31, 58.764, 349.175



1, 7.197, 339.560

Previews

White Background



This preview shows how the CIE LCh color 42, 38.851, 266.218 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 42, 38.851, 266.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

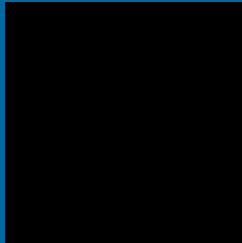
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 38.851, 266.218

Background



This preview shows how black text looks on a background with the CIELCh color 42, 38.851, 266.218.



This preview shows how white text looks on a background with the CIELCh color 42, 38.851, 266.218.

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

42, 38.851, 266.218

Protanopia

42, 36.433, 285.463

Deuteranopia

42, 39.467, 278.982



Tritanopia
42, 26.080, 207.451

Trichromacy



Original Color
42, 38.851, 266.218

Protanomaly
41, 37.701, 275.184

Deuteranomaly
42, 39.838, 273.341

Tritanomaly
42, 27.118, 233.158

Monochromacy



Original Color
42, 38.851, 266.218

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 17.622, 246.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 38.851, 266.218 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, 104, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 163)  
}
```

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, 104, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 38.851, 266.218 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, 104, 163) }
```

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

```
.border{ border-color:rgb(0, 104, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 38.851, 266.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 163) }
```

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

```
.background{ background-color: rgb(0, 104,  
163) }
```

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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