

Converting Colors

CIELCh(39, 38.532, 268.312)

Have a look what the booklet for
CIELCh(39, 38.532, 268.312)
contains.

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Color

CIELCh(39, 38.196, 268.201)

Conversions

Conversions Part 1

Format	Color
Hex	00609A
RGB	0, 96, 154
RGB Percent	0%, 38%, 60%
CMY	1.0000, 0.6242, 0.3968
CMYK	1.00, 0.38, 0.00, 0.40
HSL	203°, 100%, 30%
HSV	203°, 100%, 60%
XYZ	9.9781, 10.6589, 32.0237
YIQ	73.9080, -75.8340, -2.3140

Conversions

Conversions Part 2

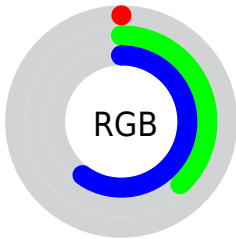
Format	Color
RYB	0, 59, 154
Decimal	24730
CIELab	39.00, -1.20, -38.18
CIELCh	39, 38.196, 268.201
Yxy	10.6589, 0.1895, 0.2024
Android (android.graphics.Color)	4278214810 (0xFF00609A)
YUV	73.9080, 39.4854, -64.8173
Hunter-Lab	32.6480, -2.5800, -35.3026

Details

The CIELCh color **39, 38.196, 268.201** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 61.846, 52.208**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 38.386, 268.350**, and **21, 35.554, 282.265** is the 20% darker color. If you saturate the color by 10%, you get **39, 38.184, 268.245**, and if you desaturate by 10%, it is **41, 35.225, 263.515**.

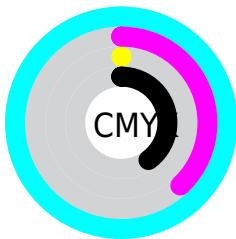
Distribution



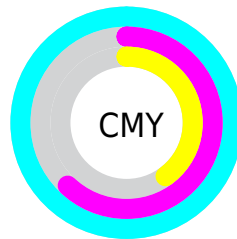
- Red (0%)
- Green (38%)
- Blue (60%)



- Red (0%)
- Yellow (23%)
- Blue (60%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (62%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 38.196, 268.201 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 39, 38.196, 268.201 by changing the saturation by 10% instead.


 39, 38.196,
268.201

 39, 38.196,
268.201

 100, 38.196,
268.201


 29, 38.196,
268.201

 59, 38.196,
268.201


 19, 38.196,
268.201


 69, 38.196,
268.201

 9, 38.196, 268.201

 79, 38.196,
268.201

 0, 38.196, 268.201

 89, 38.196,
268.201

 99, 38.196,
268.201

■ 39, 38.196,
268.201

■ 39, 38.196,
268.201

■ 39, 38.184,
268.245

■ 41, 35.225,
263.515

■ 43, 32.268,
259.028

■ 45, 29.138,
255.112

■ 48, 25.756,
251.793

■ 50, 22.086,
249.032

■ 53, 18.127,
246.761

■ 55, 13.903,
244.905

■ 58, 9.448, 243.396

Harmonies

Complementary

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



39, 38.196, 268.201



38, 61.846, 52.208

Rectangle

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



39, 38.196, 268.201



39, 38.196, 318.201



39, 38.196, 88.201



39, 38.196, 138.201

Sweetspot

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



39, 38.184, 268.245



70, 17.121, 245.002



55, 68.601, 143.709



35, 11.555, 245.680



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



39, 38.184, 268.245



50, 46.845, 269.320



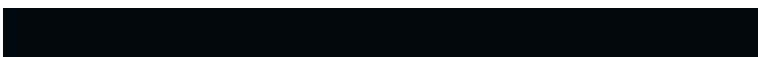
19, 84.572, 303.994



31, 2.705, 242.107



36, 35.487, 267.791



2, 2.973, 242.376

Inverse Universe

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



33, 60.731, 350.502



44, 73.200, 351.100



56, 60.731, 93.569



30, 4.557, 338.198



30, 56.857, 350.256



1, 4.848, 338.046

Previews

White Background



This preview shows how the CIE LCh color 39, 38.196, 268.201 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 39, 38.196, 268.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

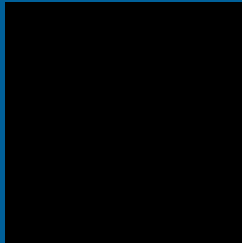
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 38.196, 268.201

Background



This preview shows how black text looks on a background with the CIELCh color 39, 38.196, 268.201.



This preview shows how white text looks on a background with the CIELCh color 39, 38.196, 268.201.

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

39, 38.196, 268.201

Protanopia

39, 35.678, 285.430

Deuteranopia

39, 38.799, 278.515



Tritanopia
39, 24.755, 206.716

Trichromacy



Original Color
39, 38.196, 268.201

Protanomaly
39, 36.767, 276.017

Deuteranomaly
39, 38.936, 273.963

Tritanomaly
39, 25.834, 234.141

Monochromacy



Original Color
39, 38.196, 268.201

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 17.152, 249.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 38.196, 268.201 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, 96, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 154)  
}
```

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, 96, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 38.196, 268.201 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, 96, 154) }
```

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

```
.border{ border-color:rgb(0, 96, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 96, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 96, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 96, 154)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 38.196, 268.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 96, 154) }
```

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

```
.background{ background-color: rgb(0, 96,  
154) }
```

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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