

Converting Colors

CIELCh(37, 45.039, 264.673)

Have a look what the booklet for
CIELCh(37, 45.039, 264.673)
contains.

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Color

CIELCh(38, 42.273, 273.760)

Conversions

Conversions Part 1

Format	Color
Hex	005C9E
RGB	0, 92, 158
RGB Percent	0%, 36%, 62%
CMY	1.0000, 0.6393, 0.3810
CMYK	1.00, 0.42, 0.00, 0.38
HSL	205°, 100%, 31%
HSV	205°, 100%, 62%
XYZ	9.9351, 10.0881, 33.6995
YIQ	72.0160, -76.0180, 1.0220

Conversions

Conversions Part 2

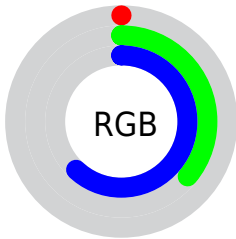
Format	Color
R_{YB}	0, 58, 158
Decimal	23710
CIE _{Lab}	38.00, 2.77, -42.18
CIE _{LCh}	38, 42.273, 273.760
Yxy	10.0881, 0.1849, 0.1878
Android (android.graphics.Color)	4278213790 (0xFF005C9E)
YUV	72.0160, 42.3901, -63.1580
Hunter-Lab	31.7617, 0.2520, -40.6741

Details

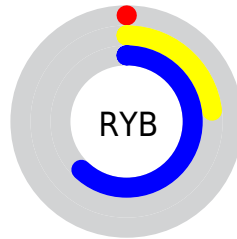
The CIELCh color **38, 42.273, 273.760** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **40, 61.736, 54.793**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 42.116, 273.711**, and **20, 40.095, 286.777** is the 20% darker color. If you saturate the color by 10%, you get **38, 42.213, 274.019**, and if you desaturate by 10%, it is **40, 38.560, 269.351**.

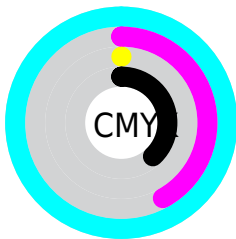
Distribution



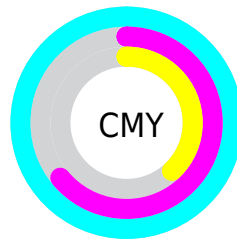
- Red (0%)
- Green (36%)
- Blue (62%)



- Red (0%)
- Yellow (23%)
- Blue (62%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (38%)




- Cyan (100%)
- Magenta (64%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 42.273, 273.760 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 38, 42.273, 273.760 by changing the saturation by 10% instead.


 38, 42.273,
273.760


 38, 42.273,
273.760

 100, 42.273,
273.760


 28, 42.273,
273.760

 58, 42.273,
273.760

 18, 42.273,
273.760

 68, 42.273,
273.760

 8, 42.273, 273.760

 78, 42.273,
273.760

 0, 42.273, 273.760

 88, 42.273,
273.760

 98, 42.273,
273.760

■ 38, 42.273,
273.760

■ 38, 42.273,
273.760

■ 38, 42.213,
274.019

■ 40, 38.560,
269.351

■ 43, 34.972,
264.855

■ 45, 31.293,
260.868

■ 48, 27.440,
257.439

■ 50, 23.369,
254.549

■ 53, 19.068,
252.143

■ 56, 14.552,
250.154

■ 59, 9.847, 248.515

Harmonies

Complementary

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



38, 42.273, 273.760



40, 61.736, 54.793

Rectangle

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



38, 42.273, 273.760



38, 42.273, 323.760



38, 42.273, 93.760



38, 42.273, 143.760

Sweetspot

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



38, 42.213, 274.019



71, 17.917, 250.256



57, 67.030, 145.622



36, 12.116, 250.994



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



38, 42.213, 274.019



49, 51.876, 275.034



19, 89.452, 305.057



32, 2.826, 247.096



34, 38.952, 273.550



2, 3.793, 249.518

Inverse Universe

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



34, 60.743, 353.969



44, 73.248, 354.651



59, 63.849, 97.300



31, 4.552, 340.104



31, 56.534, 353.662



1, 5.776, 340.916

Previews

White Background



This preview shows how the CIE LCh color 38, 42.273, 273.760 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 CIELCh color 38, 42.273, 273.760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

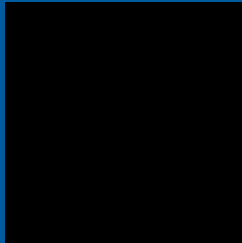
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 42.273, 273.760

Background



This preview shows how black text looks on a background with the CIELCh color 38, 42.273, 273.760.




This preview shows how white text looks on a background with the CIELCh color 38, 42.273, 273.760.

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





Tritanopia
38, 24.476, 205.362

Trichromacy



Original Color
38, 42.282, 274.077

Protanomaly
38, 41.435, 279.644

Deuteranomaly
38, 42.538, 276.234

Tritanomaly
38, 26.171, 239.189

Monochromacy



Original Color
38, 42.282, 274.077

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 18.180, 255.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 42.273, 273.760 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, 92, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 92, 158)  
}
```

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, 92, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 92, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 42.273, 273.760 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, 92, 158) }
```

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

```
.border{ border-color:rgb(0, 92, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 92, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 92, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 92, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 92, 158)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 42.273, 273.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 92, 158) }
```

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

```
.background{ background-color: rgb(0, 92,  
158) }
```

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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