

Converting Colors

CIELCh(31, 68.345, 220.657)

Have a look what the booklet for
CIELCh(31, 68.345, 220.657)
contains.

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Color

CIELCh(38, 33.828, 262.480)

Conversions

Conversions Part 1

Format	Color
Hex	015E8F
RGB	1, 94, 143
RGB Percent	0%, 37%, 56%
CMY	0.9945, 0.6297, 0.4374
CMYK	0.99, 0.34, 0.00, 0.44
HSL	201°, 98%, 28%
HSV	201°, 99%, 56%
XYZ	9.0516, 10.0881, 27.6432
YIQ	71.7790, -71.1570, -4.4770

Conversions

Conversions Part 2

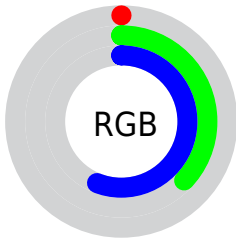
Format	Color
R_{YB}	1, 57, 143
Decimal	89743
CIE _{Lab}	38.00, -4.43, -33.54
CIE _{LCh}	38, 33.828, 262.480
Yxy	10.0881, 0.1935, 0.2156
Android (android.graphics.Color)	4278279823 (0xFF015E8F)
YUV	71.7790, 35.1120, -62.0732
Hunter-Lab	31.7617, -4.7131, -29.3687

Details

The CIELCh color **38, 33.828, 262.480** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 59.038, 50.529**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 33.762, 262.801**, and **20, 30.757, 278.295** is the 20% darker color. If you saturate the color by 10%, you get **38, 34.067, 262.913**, and if you desaturate by 10%, it is **40, 31.473, 257.822**.

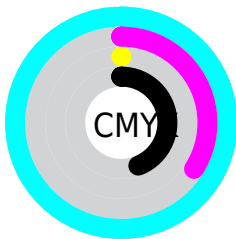
Distribution



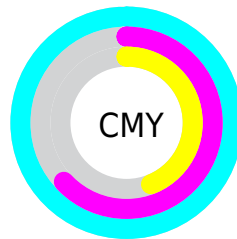
- Red (0%)
- Green (37%)
- Blue (56%)



- Red (0%)
- Yellow (22%)
- Blue (56%)



- Cyan (99%)
- Magenta (34%)
- Yellow (0%)
- Black (44%)





- Cyan (99%)
- Magenta (63%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 33.828, 262.480 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, 33.828, 262.480 by changing the saturation by 10% instead.


 38, 33.828,
262.480


 38, 33.828,
262.480

 100, 33.828,
262.480


 28, 33.828,
262.480

 58, 33.828,
262.480


 18, 33.828,
262.480


 68, 33.828,
262.480

 8, 33.828, 262.480

 78, 33.828,
262.480

 0, 33.828, 262.480

 88, 33.828,
262.480

 98, 33.828,
262.480

■ 38, 33.828,
262.480

■ 38, 33.828,
262.480

■ 38, 34.067,
262.913

■ 40, 31.473,
257.822

■ 42, 29.041,
253.514

■ 44, 26.369,
249.821

■ 46, 23.392,
246.734

■ 48, 20.089,
244.197

■ 50, 16.471,
242.133

■ 52, 12.568,
240.463

■ 55, 8.419, 239.121

Harmonies

Complementary

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



38, 33.828, 262.480



34, 59.038, 50.529

Rectangle

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



38, 33.828, 262.480



38, 33.828, 312.480



38, 33.828, 82.480



38, 33.828, 132.480

Sweetspot

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



38, 33.827, 262.481



66, 16.003, 240.707



52, 66.346, 142.830



34, 10.901, 241.316



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



38, 33.827, 262.481



49, 41.810, 264.085



19, 76.945, 302.774



29, 2.535, 238.083



36, 32.510, 262.602



1, 1.739, 237.179

Inverse Universe

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



31, 58.653, 347.606



41, 70.912, 348.364



51, 56.459, 91.097



28, 4.401, 336.768



29, 56.331, 347.661



1, 2.949, 336.168

Previews

White Background



This preview shows how the CIE LCh color 38, 33.828, 262.480 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 38, 33.828, 262.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

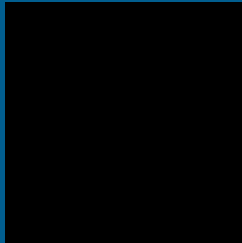
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 33.828, 262.480

Background



This preview shows how black text looks on a background with the CIELCh color 38, 33.828, 262.480.



This preview shows how white text looks on a background with the CIELCh color 38, 33.828, 262.480.

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
38, 33.801, 262.570

Protanopia
38, 30.889, 285.478

Deuteranopia
38, 34.506, 279.232



Tritanopia
38, 24.175, 208.561

Trichromacy



Original Color
38, 33.801, 262.570

Protanomaly
37, 32.276, 273.123

Deuteranomaly
38, 33.945, 270.591

Tritanomaly
38, 24.955, 232.303

Monochromacy



Original Color
38, 33.801, 262.570

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 15.811, 244.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 33.828, 262.480 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(1, 94, 143)` looks like.

```
.text, #text, p{  
    color:rgb(1, 94, 143)  
}
```

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(1, 94, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 94, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 33.828, 262.480 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(1, 94, 143) }
```

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

```
.border{ border-color:rgb(1, 94, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 94, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 94, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 94, 143);  
box-shadow:4px 4px 4px 4px rgb(1, 94, 143)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 33.828, 262.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 94, 143) }
```

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

```
.background{ background-color: rgb(1, 94,  
143) }
```

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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