

Converting Colors

CIELCh(38, 24.936, 230.140)

Have a look what the booklet for
CIELCh(38, 24.936, 230.140)
contains.

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Color

CIELCh(38, 24.964, 230.451)

Conversions

Conversions Part 1

Format	Color
Hex	006278
RGB	0, 98, 120
RGB Percent	0%, 38%, 47%
CMY	1.0000, 0.6157, 0.5295
CMYK	1.00, 0.18, 0.00, 0.53
HSL	191°, 100%, 24%
HSV	191°, 100%, 47%
XYZ	7.7551, 10.0881, 19.3028
YIQ	71.2060, -65.4700, -13.9340

Conversions

Conversions Part 2

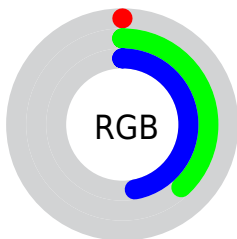
Format	Color
RYB	0, 54, 120
Decimal	25208
CIELab	38.00, -15.90, -19.25
CIELCh	38, 24.964, 230.451
Yxy	10.0881, 0.2088, 0.2716
Android (android.graphics.Color)	4278215288 (0xFF006278)
YUV	71.2060, 24.0554, -62.4477
Hunter-Lab	31.7617, -11.9997, -13.7996

Details

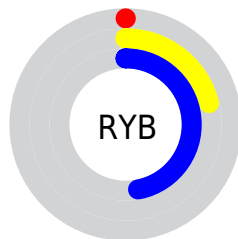
The CIELCh color **38, 24.964, 230.451** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 55.233, 42.543**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 24.873, 229.783**, and **19, 18.269, 246.882** is the 20% darker color. If you saturate the color by 10%, you get **38, 24.962, 230.453**, and if you desaturate by 10%, it is **39, 24.231, 227.611**.

Distribution



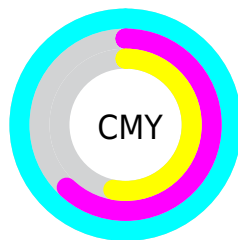
- Red (0%)
- Green (38%)
- Blue (47%)



- Red (0%)
- Yellow (21%)
- Blue (47%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (62%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 24.964, 230.451 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, 24.964, 230.451 by changing the saturation by 10% instead.


 38, 24.964,
230.451

 38, 24.964,
230.451

 100, 24.964,
230.451


 28, 24.964,
230.451

 58, 24.964,
230.451


 18, 24.964,
230.451


 68, 24.964,
230.451

 8, 24.964, 230.451

 78, 24.964,
230.451

 0, 24.964, 230.451

 88, 24.964,
230.451

 98, 24.964,
230.451

■ 38, 24.964,
230.451

■ 38, 24.964,
230.451

■ 38, 24.962,
230.453

■ 39, 24.231,
227.611

■ 40, 23.251,
225.065

■ 41, 21.801,
223.025

■ 42, 19.864,
221.424

■ 43, 17.455,
220.194

■ 44, 14.612,
219.271

■ 46, 11.389,
218.597

■ 47, 7.842, 218.130

Harmonies

Complementary

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



38, 24.964, 230.451



25, 55.233, 42.543

Rectangle

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



38, 24.964, 230.451



38, 24.964, 280.451



38, 24.964, 50.451



38, 24.964, 100.451

Sweetspot

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



38, 24.962, 230.453



59, 14.049, 218.639



43, 64.067, 138.854



30, 9.539, 218.849



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



38, 24.962, 230.453



49, 30.161, 231.400



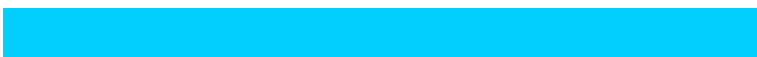
19, 55.265, 296.125



25, 2.311, 217.839



40, 25.703, 230.614



77, 43.372, 232.699

Inverse Universe

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



26, 57.671, 336.766



35, 69.393, 337.018



38, 47.399, 78.308



24, 4.342, 330.453



28, 59.341, 336.809



57, 99.177, 337.368

Previews

White Background



This preview shows how the CIE LCh color 38, 24.964, 230.451 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, 24.964, 230.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

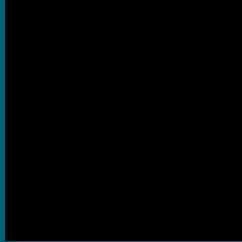
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.964, 230.451

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.964, 230.451.

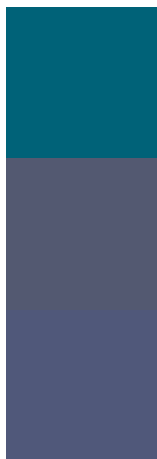


This preview shows how white text looks on a background with the CIELCh color 38, 24.964, 230.451.

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, 24.964, 230.451

Protanopia

38, 14.865, 283.826

Deuteranopia

38, 21.016, 285.707



Tritanopia
38, 24.405, 206.902

Trichromacy



Original Color
38, 24.964, 230.451

Protanomaly
37, 18.953, 250.334

Deuteranomaly
37, 21.384, 255.949

Tritanomaly
38, 24.147, 216.424

Monochromacy



Original Color
38, 24.964, 230.451

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 13.653, 219.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.964, 230.451 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, 98, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 120)  
}
```

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, 98, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.964, 230.451 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, 98, 120) }
```

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

```
.border{ border-color:rgb(0, 98, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 98, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 98, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 98, 120)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.964, 230.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 120) }
```

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

```
.background{ background-color: rgb(0, 98,  
120) }
```

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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