

Converting Colors

CIELCh(38, 24.236, 208.620)

Have a look what the booklet for
CIELCh(38, 24.236, 208.620)
contains.

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Color

CIELCh(38, 24.137, 210.129)

Conversions

Conversions Part 1

Format	Color
Hex	01636C
RGB	1, 99, 108
RGB Percent	0%, 39%, 42%
CMY	0.9966, 0.6103, 0.5750
CMYK	0.99, 0.08, 0.00, 0.58
HSL	185°, 98%, 21%
HSV	185°, 99%, 42%
XYZ	7.2329, 10.0881, 15.8545
YIQ	70.7240, -61.2970, -17.9770

Conversions

Conversions Part 2

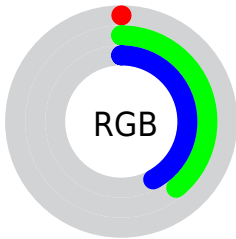
Format	Color
R_YB	1, 52, 108
Decimal	90988
CIE Lab	38.00, -20.88, -12.12
CIE LCh	38, 24.137, 210.129
Yxy	10.0881, 0.2180, 0.3041
Android (android.graphics.Color)	4278281068 (0xFF01636C)
YUV	70.7240, 18.3771, -61.1479
Hunter-Lab	31.7617, -14.9341, -7.3626

Details

The CIELCh color **38, 24.137, 210.129** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 51.725, 38.694**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 24.027, 209.795**, and **19, 15.792, 220.189** is the 20% darker color. If you saturate the color by 10%, you get **38, 24.185, 210.210**, and if you desaturate by 10%, it is **38, 23.548, 209.088**.

Distribution



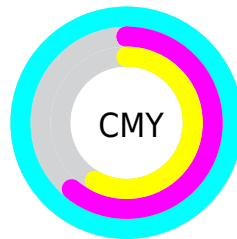
- Red (0%)
- Green (39%)
- Blue (42%)



- Red (0%)
- Yellow (20%)
- Blue (42%)



- Cyan (99%)
- Magenta (8%)
- Yellow (0%)
- Black (58%)




- Cyan (100%)
- Magenta (61%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 24.137, 210.129 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, 24.137, 210.129 by changing the saturation by 10% instead.


 38, 24.137,
210.129


 38, 24.137,
210.129

 100, 24.137,
210.129


 28, 24.137,
210.129

 58, 24.137,
210.129


 18, 24.137,
210.129


 68, 24.137,
210.129

 8, 24.137, 210.129

 78, 24.137,
210.129

 0, 24.137, 210.129

 88, 24.137,
210.129

 98, 24.137,
210.129

■ 38, 24.137,
210.129

■ 38, 24.137,
210.129

■ 38, 24.185,
210.210

■ 38, 23.548,
209.088

■ 39, 22.662,
208.184

■ 39, 21.274,
207.508

■ 40, 19.382,
207.035

■ 41, 17.009,
206.737

■ 42, 14.196,
206.591

■ 43, 10.997,
206.572

■ 44, 7.470, 206.666

Harmonies

Complementary

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



38, 24.137, 210.129



22, 51.725, 38.694

Rectangle

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



38, 24.137, 210.129



38, 24.137, 260.129



38, 24.137, 30.129



38, 24.137, 80.129

Sweetspot

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



38, 24.136, 210.128



54, 13.884, 206.567



39, 61.679, 137.303



28, 9.431, 206.566



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 24.136, 210.128



49, 29.048, 210.622



20, 42.507, 288.801



22, 2.227, 206.885



41, 25.571, 210.345



82, 43.809, 211.265

Inverse Universe

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



24, 57.633, 331.655



32, 69.459, 331.786



31, 43.711, 69.776



21, 4.162, 327.240



26, 61.130, 331.719



57, 104.802, 331.944

Previews

White Background



This preview shows how the CIELCh color 38, 24.137, 210.129 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, 24.137, 210.129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

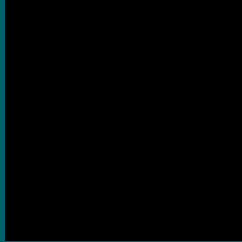
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.137, 210.129

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.137, 210.129.



This preview shows how white text looks on a background with the CIELCh color 38, 24.137, 210.129.

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, 24.065, 210.178

Protanopia

38, 7.412, 285.167

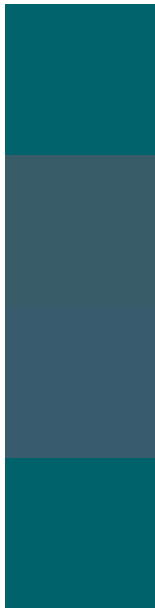
Deuteranopia

38, 14.157, 290.849



Tritanopia
38, 24.137, 210.129

Trichromacy



Original Color
38, 24.065, 210.178

Protanomaly
37, 14.425, 226.298

Deuteranomaly
37, 16.137, 242.203

Tritanomaly
38, 24.137, 210.129

Monochromacy



Original Color
38, 24.065, 210.178

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 13.071, 208.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.137, 210.129 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, 99, 108)` looks like.

```
.text, #text, p{  
    color:rgb(1, 99, 108)  
}
```

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, 99, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 99, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.137, 210.129 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, 99, 108) }
```

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

```
.border{ border-color:rgb(1, 99, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 99, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 99, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 99, 108);  
box-shadow:4px 4px 4px 4px rgb(1, 99, 108)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.137, 210.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 99, 108) }
```

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

```
.background{ background-color: rgb(1, 99,  
108) }
```

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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