

Converting Colors

CIELCh(38, 25.026, 198.785)

Have a look what the booklet for
CIELCh(38, 25.026, 198.785)
contains.

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Color

CIELCh(38, 24.913, 199.317)

Conversions

Conversions Part 1

Format	Color
Hex	006466
RGB	0, 100, 102
RGB Percent	0%, 39%, 40%
CMY	0.9994, 0.6076, 0.5998
CMYK	1.00, 0.02, 0.00, 0.60
HSL	181°, 100%, 20%
HSV	181°, 100%, 40%
XYZ	6.9665, 10.0881, 14.1668
YIQ	70.3280, -60.2420, -20.5780

Conversions

Conversions Part 2

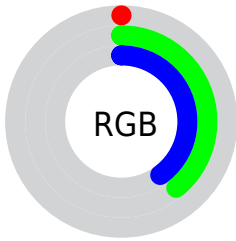
Format	Color
RYB	0, 50, 102
Decimal	25702
CIELab	38.00, -23.51, -8.24
CIELCh	38, 24.913, 199.317
Yxy	10.0881, 0.2231, 0.3231
Android (android.graphics.Color)	4278215782 (0xFF006466)
YUV	70.3280, 15.6143, -61.6777
Hunter-Lab	31.7617, -16.4315, -4.2121

Details

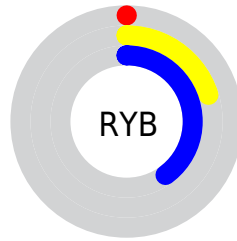
The CIELCh color **38, 24.913, 199.317** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 50.176, 36.491**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 24.762, 199.854**, and **19, 16.168, 201.412** is the 20% darker color. If you saturate the color by 10%, you get **38, 24.924, 199.318**, and if you desaturate by 10%, it is **38, 24.192, 199.186**.

Distribution



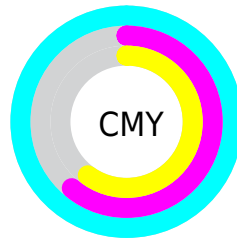
- Red (0%)
- Green (39%)
- Blue (40%)



- Red (0%)
- Yellow (20%)
- Blue (40%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (60%)




- Cyan (100%)
- Magenta (61%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 24.913, 199.317 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, 24.913, 199.317 by changing the saturation by 10% instead.


 38, 24.913,
199.317


 38, 24.913,
199.317

 100, 24.913,
199.317


 28, 24.913,
199.317

 58, 24.913,
199.317

 18, 24.913,
199.317


 68, 24.913,
199.317

 8, 24.913, 199.317

 78, 24.913,
199.317

 0, 24.913, 199.317

 88, 24.913,
199.317

 98, 24.913,
199.317

■ 38, 24.913,
199.317

■ 38, 24.913,
199.317

■ 38, 24.924,
199.318

■ 38, 24.192,
199.186

■ 38, 23.231,
199.095

■ 39, 21.787,
199.092

■ 39, 19.852,
199.175

■ 40, 17.444,
199.340

■ 40, 14.600,
199.580

■ 41, 11.369,
199.889

■ 42, 7.810, 200.263

Harmonies

Complementary

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



38, 24.913, 199.317



20, 50.176, 36.491

Rectangle

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



38, 24.913, 199.317



38, 24.913, 249.317



38, 24.913, 19.317



38, 24.913, 69.317

Sweetspot

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



38, 24.913, 199.316



52, 14.117, 199.855



37, 60.699, 136.298



26, 9.450, 199.759



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 24.913, 199.316



49, 30.021, 199.404



21, 35.986, 282.888



21, 2.272, 200.763



43, 27.070, 199.359



86, 46.872, 199.545

Inverse Universe

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



23, 58.110, 328.979



31, 70.062, 329.004



28, 42.343, 63.964



20, 4.174, 325.404



26, 63.165, 328.993



57, 109.443, 329.040

Previews

White Background



This preview shows how the CIELCh color 38, 24.913, 199.317 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, 24.913, 199.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

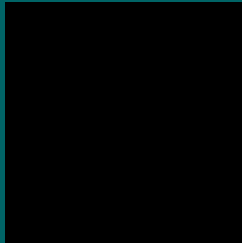
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.913, 199.317

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.913, 199.317.

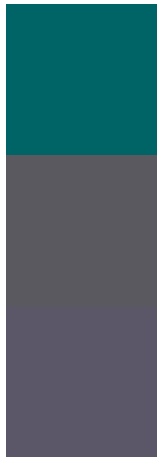


This preview shows how white text looks on a background with the CIELCh color 38, 24.913, 199.317.

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, 24.913, 199.317

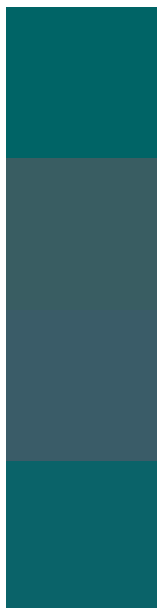
Protanopia
38, 3.695, 290.774

Deuteranopia
38, 11.239, 300.005



Tritanopia
38, 22.938, 209.343

Trichromacy



Original Color
38, 24.913, 199.317

Protanomaly
37, 13.392, 211.263

Deuteranomaly
37, 13.888, 230.657

Tritanomaly
38, 23.551, 205.808

Monochromacy



Original Color
38, 24.913, 199.317

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 13.454, 200.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.913, 199.317 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, 100, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 102)  
}
```

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, 100, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.913, 199.317 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, 100, 102) }
```

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

```
.border{ border-color:rgb(0, 100, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.913, 199.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 102) }
```

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

```
.background{ background-color: rgb(0, 100,  
102) }
```

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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