

Converting Colors

CIELCh(38, 27.524, 202.678)

Have a look what the booklet for
CIELCh(38, 27.524, 202.678)
contains.

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Color

CIELCh(38, 24.739, 203.766)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 006469 |
| RGB | 0, 100, 105 |
| RGB Percent | 0%, 39%, 41% |
| CMY | 1.0000, 0.6084, 0.5888 |
| CMYK | 1.00, 0.05, 0.00, 0.59 |
| HSL | 183°, 100%, 21% |
| HSV | 183°, 100%, 41% |
| XYZ | 7.0537, 10.0881, 14.9042 |
| YIQ | 70.6700, -61.2050, -19.6450 |

Conversions

Conversions Part 2

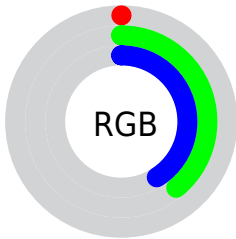
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 51, 105 |
| Decimal | 25705 |
| CIELab | 38.00, -22.64, -9.97 |
| CIELCh | 38, 24.739, 203.766 |
| Yxy | 10.0881, 0.2201, 0.3148 |
| Android (android.graphics.Color) | 4278215785 (0xFF006469) |
| YUV | 70.6700, 16.9247, -61.9776 |
| Hunter-Lab | 31.7617, -15.9415, -5.5887 |

Details

The CIELCh color **38, 24.739, 203.766** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 51.029, 37.578**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 24.563, 203.967**, and **19, 15.903, 209.237** is the 20% darker color. If you saturate the color by 10%, you get **38, 24.538, 203.846**, and if you desaturate by 10%, it is **38, 23.892, 203.353**.

Distribution



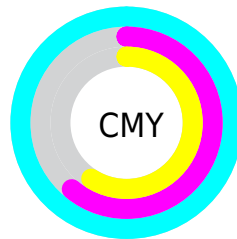
- Red (0%)
- Green (39%)
- Blue (41%)



- Red (0%)
- Yellow (20%)
- Blue (41%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (59%)




- Cyan (100%)
- Magenta (61%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 24.739, 203.766 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, 24.739, 203.766 by changing the saturation by 10% instead.


 38, 24.739,
203.766


 38, 24.739,
203.766

 100, 24.739,
203.766


 28, 24.739,
203.766

 58, 24.739,
203.766

 18, 24.739,
203.766


 68, 24.739,
203.766

 8, 24.739, 203.766

 78, 24.739,
203.766

 0, 24.739, 203.766

 88, 24.739,
203.766

 98, 24.739,
203.766

■ 38, 24.739,
203.766

■ 38, 24.739,
203.766

■ 38, 24.538,
203.846

■ 38, 23.892,
203.353

■ 39, 22.997,
202.926

■ 39, 21.610,
202.642

■ 40, 19.723,
202.492

■ 40, 17.356,
202.461

■ 41, 14.547,
202.537

■ 42, 11.349,
202.706

■ 42, 7.820, 202.960

Harmonies

Complementary

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



38, 24.739, 203.766



20, 51.029, 37.578

Rectangle

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



38, 24.739, 203.766



38, 24.739, 253.766



38, 24.739, 23.766



38, 24.739, 73.766

Sweetspot

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



38, 24.538, 203.846



53, 13.936, 202.689



38, 61.538, 136.539



27, 9.472, 202.630



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 24.538, 203.846



49, 29.378, 204.063



21, 38.043, 284.667



22, 2.303, 203.350



42, 26.552, 203.947



84, 45.541, 204.425

Inverse Universe

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



23, 58.038, 330.118



31, 69.523, 330.172



29, 43.232, 65.344



21, 4.266, 326.191



27, 62.816, 330.143



57, 107.864, 330.262

Previews

White Background



This preview shows how the CIELCh color 38, 24.739, 203.766 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, 24.739, 203.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

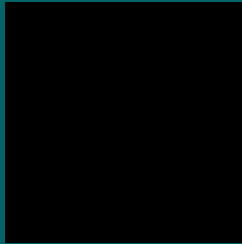
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.739, 203.766

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.739, 203.766.



This preview shows how white text looks on a background with the CIELCh color 38, 24.739, 203.766.

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, 24.562, 203.832

Protanopia

38, 5.539, 291.059

Deuteranopia

38, 12.329, 293.907



Tritanopia
38, 23.268, 210.732

Trichromacy



Original Color
38, 24.562, 203.832

Protanomaly
37, 13.545, 216.646

Deuteranomaly
37, 14.950, 236.826

Tritanomaly
38, 23.591, 208.922

Monochromacy



Original Color
38, 24.562, 203.832

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 13.394, 203.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.739, 203.766 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.739, 203.766 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, 105) }
```

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

```
.border{ border-color:rgb(0, 100, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.739, 203.766 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, 105) }
```

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

```
.background{ background-color: rgb(0, 100,  
105) }
```

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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