

Converting Colors

CIELCh(38, 24.529, 206.174)

Have a look what the booklet for
CIELCh(38, 24.529, 206.174)
contains.

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Color

CIELCh(38, 24.476, 205.362)

Conversions

Conversions Part 1

Format	Color
Hex	00646A
RGB	0, 100, 106
RGB Percent	0%, 39%, 42%
CMY	1.0000, 0.6090, 0.5855
CMYK	1.00, 0.06, 0.00, 0.59
HSL	183°, 100%, 21%
HSV	183°, 100%, 41%
XYZ	7.1066, 10.0881, 15.1283
YIQ	70.7840, -61.5260, -19.3340

Conversions

Conversions Part 2

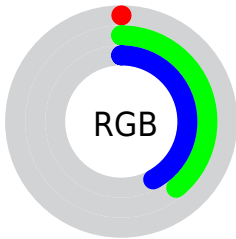
Format	Color
RYB	0, 51, 106
Decimal	25706
CIELab	38.00, -22.12, -10.48
CIElCh	38, 24.476, 205.362
Yxy	10.0881, 0.2199, 0.3121
Android (android.graphics.Color)	4278215786 (0xFF00646A)
YUV	70.7840, 17.3615, -62.0776
Hunter-Lab	31.7617, -15.6441, -6.0071

Details

The CIELCh color **38, 24.476, 205.362** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 51.261, 37.899**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 24.522, 205.350**, and **19, 15.875, 211.887** is the 20% darker color. If you saturate the color by 10%, you get **38, 24.424, 205.385**, and if you desaturate by 10%, it is **38, 23.797, 204.764**.

Distribution



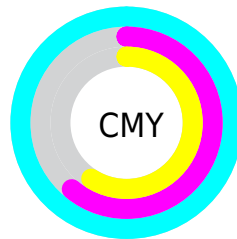
- Red (0%)
- Green (39%)
- Blue (42%)



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



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (59%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 24.476, 205.362 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, 24.476, 205.362 by changing the saturation by 10% instead.


 38, 24.476,
205.362

 38, 24.476,
205.362

 100, 24.476,
205.362

 28, 24.476,
205.362

 58, 24.476,
205.362

 18, 24.476,
205.362

 68, 24.476,
205.362

 8, 24.476, 205.362

 78, 24.476,
205.362

 0, 24.476, 205.362

 88, 24.476,
205.362

 98, 24.476,
205.362

■ 38, 24.476,
205.362

■ 38, 24.476,
205.362

■ 38, 24.424,
205.385

■ 38, 23.797,
204.764

■ 39, 22.918,
204.219

■ 39, 21.544,
203.838

■ 40, 19.668,
203.606

■ 40, 17.311,
203.508

■ 41, 14.512,
203.528

■ 42, 11.323,
203.650

■ 43, 7.803, 203.864

Harmonies

Complementary

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



38, 24.476, 205.362



21, 51.261, 37.899

Rectangle

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



38, 24.476, 205.362



38, 24.476, 255.362



38, 24.476, 25.362



38, 24.476, 75.362

Sweetspot

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



38, 24.424, 205.385



54, 14.025, 203.636



38, 61.510, 136.790



27, 9.389, 203.592



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, 24.424, 205.385



49, 29.468, 205.658



20, 39.514, 286.196



22, 2.283, 204.215



42, 26.279, 205.499



84, 45.056, 206.082

Inverse Universe

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



24, 57.971, 330.499



32, 69.980, 330.566



30, 43.395, 66.788



21, 4.240, 326.449



27, 62.389, 330.527



57, 107.087, 330.671

Previews

White Background



This preview shows how the CIELCh color 38, 24.476, 205.362 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, 24.476, 205.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

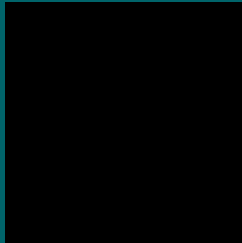
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.476, 205.362

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.476, 205.362.



This preview shows how white text looks on a background with the CIELCh color 38, 24.476, 205.362.

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, 24.476, 205.362

Protanopia
38, 6.161, 287.399

Deuteranopia
38, 12.329, 293.907



Tritanopia
38, 23.418, 210.625

Trichromacy



Original Color
38, 24.476, 205.362

Protanomaly
37, 13.940, 218.809

Deuteranomaly
37, 14.950, 236.826

Tritanomaly
38, 23.736, 208.830

Monochromacy



Original Color
38, 24.476, 205.362

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 13.363, 205.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.476, 205.362 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.476, 205.362 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, 106) }
```

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

```
.border{ border-color:rgb(0, 100, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.476, 205.362 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, 106) }
```

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

```
.background{ background-color: rgb(0, 100,  
106) }
```

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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