

Converting Colors

CIELCh(37, 37.632, 183.404)

Have a look what the booklet for
CIELCh(37, 37.632, 183.404)
contains.

CIELCh(38, 28.452, 180.848)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 28.452, 180.848)

Conversions

Conversions Part 1

Format	Color
Hex	006559
RGB	0, 101, 89
RGB Percent	0%, 40%, 35%
CMY	1.0000, 0.6026, 0.6496
CMYK	1.00, 0.00, 0.12, 0.60
HSL	173°, 100%, 20%
HSV	173°, 100%, 40%
XYZ	6.4848, 10.0881, 11.1339
YIQ	69.4330, -56.3440, -25.1440

Conversions

Conversions Part 2

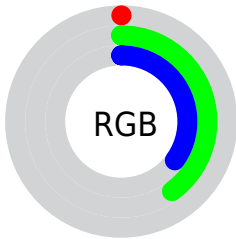
Format	Color
RYB	0, 54, 101
Decimal	25945
CIELab	38.00, -28.45, -0.42
CIELCh	38, 28.452, 180.848
Yxy	10.0881, 0.2341, 0.3641
Android (android.graphics.Color)	4278216025 (0xFF006559)
YUV	69.4330, 9.6465, -60.8927
Hunter-Lab	31.7617, -19.1386, 1.4494

Details

The CIELCh color **38, 28.452, 180.848** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **19, 47.821, 30.999**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 28.522, 180.496**, and **19, 19.080, 176.860** is the 20% darker color. If you saturate the color by 10%, you get **38, 28.333, 180.797**, and if you desaturate by 10%, it is **38, 27.155, 181.884**.

Distribution



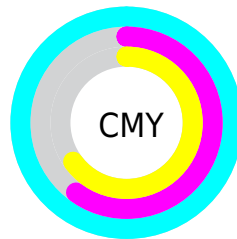
- Red (0%)
- Green (40%)
- Blue (35%)



- Red (0%)
- Yellow (21%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (60%)



- Cyan (100%)
- Magenta (60%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 28.452, 180.848 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, 28.452, 180.848 by changing the saturation by 10% instead.

 38, 28.452,
180.848

 38, 28.452,
180.848

 100, 28.452,
180.848

 28, 28.452,
180.848

 58, 28.452,
180.848

 18, 28.452,
180.848

 68, 28.452,
180.848

 8, 28.452, 180.848

 78, 28.452,
180.848

 0, 28.452, 180.848

 88, 28.452,
180.848

 98, 28.452,
180.848

■ 38, 28.452,
180.848

■ 38, 28.452,
180.848

■ 38, 28.333,
180.797

■ 38, 27.155,
181.884

■ 38, 25.760,
182.968

■ 39, 23.890,
183.966

■ 39, 21.548,
184.895

■ 39, 18.760,
185.771

■ 40, 15.572,
186.608

■ 41, 12.039,
187.416

■ 41, 8.226, 188.208

Harmonies

Complementary

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



38, 28.452, 180.848



19, 47.821, 30.999

Rectangle

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



38, 28.452, 180.848



38, 28.452, 230.848



38, 28.452, 0.848



38, 28.452, 50.848

Sweetspot

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



38, 28.333, 180.797



52, 14.981, 187.345



37, 59.899, 134.868



26, 10.052, 187.109



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, 28.333, 180.797



49, 34.459, 180.388



26, 26.960, 264.279



21, 2.371, 189.097



43, 30.999, 180.597



86, 54.192, 179.748

Inverse Universe

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



19, 47.821, 30.999



27, 59.423, 33.450



24, 44.072, 51.909



19, 2.470, 10.310



23, 52.954, 32.367



51, 95.209, 35.681

Previews

White Background



This preview shows how the CIELCh color 38, 28.452, 180.848 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, 28.452, 180.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

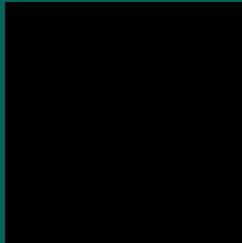
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 28.452, 180.848

Background



This preview shows how black text looks on a background with the CIELCh color 38, 28.452, 180.848.



This preview shows how white text looks on a background with the CIELCh color 38, 28.452, 180.848.

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, 28.287, 180.728

Protanopia

38, 4.061, 84.119

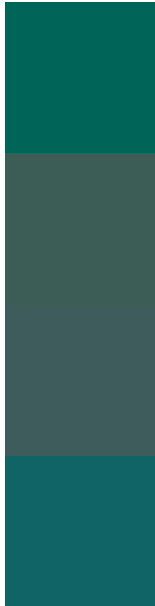
Deuteranopia

38, 5.629, 339.319



Tritanopia
38, 21.599, 210.275

Trichromacy



Original Color
38, 28.287, 180.728

Protanomaly
37, 14.380, 177.303

Deuteranomaly
37, 11.539, 197.919

Tritanomaly
38, 23.634, 198.089

Monochromacy



Original Color
38, 28.287, 180.728

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 14.169, 186.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 28.452, 180.848 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, 101, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 89)  
}
```

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, 101, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 28.452, 180.848 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, 101, 89) }
```

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

```
.border{ border-color:rgb(0, 101, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 101, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 28.452, 180.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 89) }
```

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

```
.background{ background-color: rgb(0, 101,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor