

Converting Colors

CIELCh(37, 27.773, 182.068)

Have a look what the booklet for
CIELCh(37, 27.773, 182.068)
contains.

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Color

CIELCh(37, 27.653, 181.673)

Conversions

Conversions Part 1

Format	Color
Hex	006358
RGB	0, 99, 88
RGB Percent	0%, 39%, 35%
CMY	1.0000, 0.6134, 0.6565
CMYK	1.00, 0.00, 0.11, 0.61
HSL	173°, 100%, 19%
HSV	173°, 100%, 39%
XYZ	6.1569, 9.5379, 10.6629
YIQ	68.1450, -55.4730, -24.4090

Conversions

Conversions Part 2

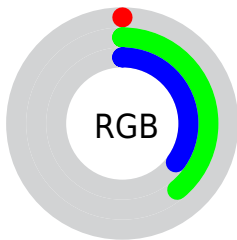
Format	Color
RYB	0, 52, 99
Decimal	25432
CIELab	37.00, -27.64, -0.81
CIELCh	37, 27.653, 181.673
Yxy	9.5379, 0.2336, 0.3619
Android (android.graphics.Color)	4278215512 (0xFF006358)
YUV	68.1450, 9.7885, -59.7632
Hunter-Lab	30.8835, -18.4604, 1.1480

Details

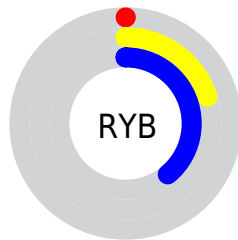
The CIELCh color **37, 27.653, 181.673** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **19, 46.877, 30.954**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 27.326, 182.270**, and **18, 18.353, 178.279** is the 20% darker color. If you saturate the color by 10%, you get **37, 27.580, 181.643**, and if you desaturate by 10%, it is **37, 26.430, 182.675**.

Distribution



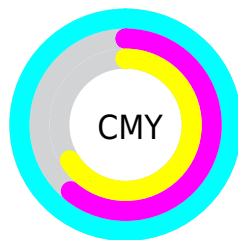
- Red (0%)
- Green (39%)
- Blue (35%)



- Red (0%)
- Yellow (20%)
- Blue (39%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (61%)





- Cyan (100%)
- Magenta (61%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 27.653, 181.673 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 37, 27.653, 181.673 by changing the saturation by 10% instead.


 37, 27.653,
181.673


 37, 27.653,
181.673

 100, 27.653,
181.673


 27, 27.653,
181.673

 57, 27.653,
181.673


 17, 27.653,
181.673


 67, 27.653,
181.673

 7, 27.653, 181.673

 77, 27.653,
181.673

 0, 27.653, 181.673

 87, 27.653,
181.673

 97, 27.653,
181.673

■ 37, 27.653,
181.673

■ 37, 27.653,
181.673

■ 37, 27.580,
181.643

■ 37, 26.430,
182.675

■ 37, 25.080,
183.710

■ 38, 23.267,
184.666

■ 38, 20.992,
185.560

■ 38, 18.281,
186.407

■ 39, 15.178,
187.218

■ 39, 11.739,
188.006

■ 40, 8.023, 188.780

Harmonies

Complementary

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



37, 27.653, 181.673



19, 46.877, 30.954

Rectangle

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



37, 27.653, 181.673



37, 27.653, 231.673



37, 27.653, 1.673



37, 27.653, 51.673

Sweetspot

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



37, 27.580, 181.643



51, 14.468, 187.938



36, 58.863, 135.002



25, 9.705, 187.716



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 27.580, 181.643



48, 33.228, 181.258



24, 27.184, 266.609



20, 2.266, 189.659



42, 30.272, 181.439



85, 53.327, 180.602

Inverse Universe

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



19, 46.877, 30.954



26, 57.844, 33.588



24, 42.714, 53.059



18, 2.362, 10.837



22, 52.170, 32.490



50, 94.809, 36.006

Previews

White Background



This preview shows how the CIELCh color 37, 27.653, 181.673 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 27.653, 181.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

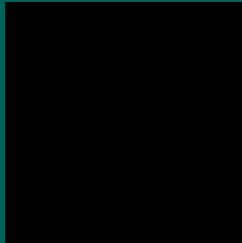
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 27.653, 181.673

Background



This preview shows how black text looks on a background with the CIELCh color 37, 27.653, 181.673.



This preview shows how white text looks on a background with the CIELCh color 37, 27.653, 181.673.

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
37, 27.653, 181.673

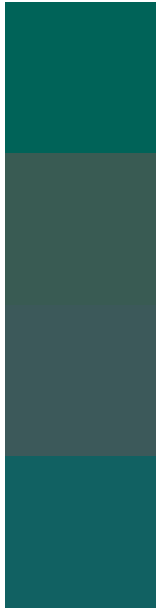
Protanopia
37, 3.910, 89.949

Deuteranopia
37, 6.078, 334.928



Tritanopia
37, 21.124, 210.663

Trichromacy



Original Color
37, 27.653, 181.673

Protanomaly
36, 14.411, 177.232

Deuteranomaly
36, 11.164, 201.167

Tritanomaly
37, 23.041, 198.148

Monochromacy



Original Color
37, 27.653, 181.673

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 14.182, 186.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 27.653, 181.673 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, 99, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 88)  
}
```

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, 99, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 27.653, 181.673 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, 99, 88) }
```

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

```
.border{ border-color:rgb(0, 99, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 99, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 88); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 99, 88); box-shadow:4px  
4px 4px 4px rgb(0, 99, 88) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 27.653, 181.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 88) }
```

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

```
.background{ background-color: rgb(0, 99,  
88) }
```

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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