

Converting Colors

CIELCh(34, 49.059, 200.322)

Have a look what the booklet for
CIELCh(34, 49.059, 200.322)
contains.

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Color

CIELCh(37, 23.790, 210.384)

Conversions

Conversions Part 1

Format	Color
Hex	00616A
RGB	0, 97, 106
RGB Percent	0%, 38%, 42%
CMY	1.0000, 0.6205, 0.5852
CMYK	1.00, 0.09, 0.00, 0.59
HSL	185°, 100%, 21%
HSV	185°, 100%, 41%
XYZ	6.8352, 9.5379, 15.0517
YIQ	69.0230, -60.7010, -17.7650

Conversions

Conversions Part 2

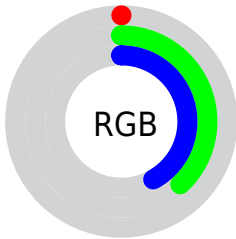
Format	Color
RYB	0, 51, 106
Decimal	24938
CIELab	37.00, -20.52, -12.03
CIELCh	37, 23.790, 210.384
Yxy	9.5379, 0.2175, 0.3035
Android (android.graphics.Color)	4278215018 (0xFF00616A)
YUV	69.0230, 18.2297, -60.5332
Hunter-Lab	30.8835, -14.5400, -7.2776

Details

The CIELCh color **37, 23.790, 210.384** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 50.895, 38.640**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 23.777, 209.963**, and **18, 15.432, 220.937** is the 20% darker color. If you saturate the color by 10%, you get **37, 23.750, 210.411**, and if you desaturate by 10%, it is **37, 23.154, 209.369**.

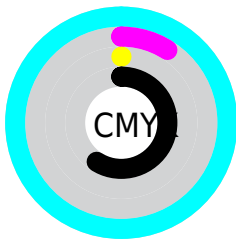
Distribution



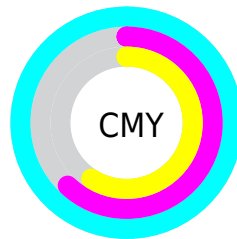
- Red (0%)
- Green (38%)
- Blue (42%)



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



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (59%)





- Cyan (100%)
- Magenta (62%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 23.790, 210.384 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, 23.790, 210.384 by changing the saturation by 10% instead.

 37, 23.790,
210.384

 37, 23.790,
210.384

 100, 23.790,
210.384

 27, 23.790,
210.384

 57, 23.790,
210.384

 17, 23.790,
210.384

 67, 23.790,
210.384

 7, 23.790, 210.384

 77, 23.790,
210.384

 0, 23.790, 210.384

 87, 23.790,
210.384

 97, 23.790,
210.384

■ 37, 23.790,
210.384

■ 37, 23.790,
210.384

■ 37, 23.750,
210.411

■ 37, 23.154,
209.369

■ 38, 22.314,
208.435

■ 38, 20.985,
207.732

■ 39, 19.164,
207.235

■ 40, 16.870,
206.917

■ 41, 14.143,
206.752

■ 42, 11.036,
206.718

■ 43, 7.605, 206.797

Harmonies

Complementary

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



37, 23.790, 210.384



21, 50.895, 38.640

Rectangle

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



37, 23.790, 210.384



37, 23.790, 260.384



37, 23.790, 30.384



37, 23.790, 80.384

Sweetspot

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



37, 23.750, 210.411



53, 13.663, 206.716



38, 60.792, 137.292



27, 9.146, 206.717



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



37, 23.750, 210.411



48, 28.632, 210.847



19, 42.030, 288.936



22, 2.225, 207.020



41, 25.540, 210.593



82, 43.756, 211.529

Inverse Universe

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



23, 56.780, 331.735



32, 68.476, 331.842



31, 43.250, 69.747



21, 4.158, 327.280



26, 61.069, 331.779



57, 104.691, 332.009

Previews

White Background



This preview shows how the CIELCh color 37, 23.790, 210.384 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, 23.790, 210.384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

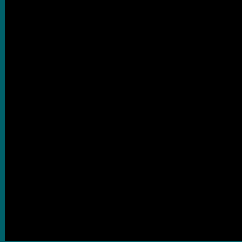
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 23.790, 210.384

Background



This preview shows how black text looks on a background with the CIELCh color 37, 23.790, 210.384.



This preview shows how white text looks on a background with the CIELCh color 37, 23.790, 210.384.

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, 23.790, 210.384

Protanopia

37, 8.048, 288.630

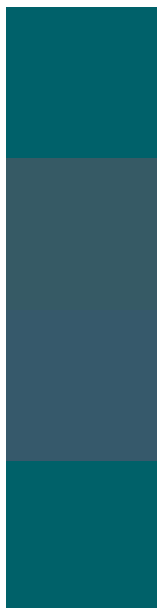
Deuteranopia

37, 14.241, 292.447



Tritanopia
37, 23.826, 208.786

Trichromacy



Original Color
37, 23.790, 210.384

Protanomaly
36, 14.173, 227.037

Deuteranomaly
36, 15.954, 243.178

Tritanomaly
37, 23.826, 208.786

Monochromacy



Original Color
37, 23.790, 210.384

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 13.065, 206.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 23.790, 210.384 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, 97, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 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, 97, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 23.790, 210.384 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, 97, 106) }
```

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

```
.border{ border-color:rgb(0, 97, 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, 97, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 106)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 23.790, 210.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 106) }
```

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

```
.background{ background-color: rgb(0, 97,  
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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