

Converting Colors

CIELCh(34, 50.411, 197.680)

Have a look what the booklet for
CIELCh(34, 50.411, 197.680)
contains.

CIELCh(37, 24.209, 203.968)	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(37, 24.209, 203.968)

Conversions

Conversions Part 1

Format	Color
Hex	006166
RGB	0, 97, 102
RGB Percent	0%, 38%, 40%
CMY	1.0000, 0.6188, 0.5992
CMYK	1.00, 0.05, 0.00, 0.60
HSL	183°, 100%, 20%
HSV	183°, 100%, 40%
XYZ	6.6787, 9.5379, 14.1120
YIQ	68.5670, -59.4170, -19.0090

Conversions

Conversions Part 2

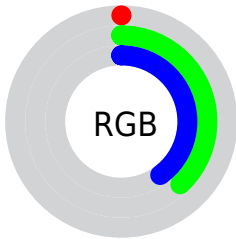
Format	Color
RYB	0, 50, 102
Decimal	24934
CIELab	37.00, -22.12, -9.83
CIELCh	37, 24.209, 203.968
Yxy	9.5379, 0.2202, 0.3145
Android (android.graphics.Color)	4278215014 (0xFF006166)
YUV	68.5670, 16.4825, -60.1333
Hunter-Lab	30.8835, -15.4445, -5.4736

Details

The CIELCh color **37, 24.209, 203.968** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 49.861, 37.329**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 24.070, 204.143**, and **18, 15.322, 209.857** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.067, 204.026**, and if you desaturate by 10%, it is **37, 23.412, 203.528**.

Distribution



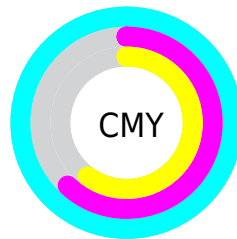
- Red (0%)
- Green (38%)
- Blue (40%)



- Red (0%)
- Yellow (20%)
- Blue (40%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (62%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 24.209, 203.968 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, 24.209, 203.968 by changing the saturation by 10% instead.

 37, 24.209,
203.968

 37, 24.209,
203.968

 100, 24.209,
203.968

 27, 24.209,
203.968

 57, 24.209,
203.968

 17, 24.209,
203.968

 67, 24.209,
203.968

 7, 24.209, 203.968

 77, 24.209,
203.968

 0, 24.209, 203.968

 87, 24.209,
203.968

 97, 24.209,
203.968

■ 37, 24.209,
203.968

■ 37, 24.209,
203.968

■ 37, 24.067,
204.026

■ 37, 23.412,
203.528

■ 38, 22.527,
203.090

■ 38, 21.160,
202.798

■ 39, 19.306,
202.640

■ 39, 16.984,
202.602

■ 40, 14.232,
202.672

■ 41, 11.102,
202.836

■ 41, 7.648, 203.084

Harmonies

Complementary

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



37, 24.209, 203.968



20, 49.861, 37.329

Rectangle

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



37, 24.209, 203.968



37, 24.209, 253.968



37, 24.209, 23.968



37, 24.209, 73.968

Sweetspot

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



37, 24.067, 204.026



52, 13.707, 202.818



37, 60.410, 136.554



26, 9.175, 202.763



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 24.067, 204.026



48, 28.937, 204.260



20, 37.244, 284.517



21, 2.208, 203.471



42, 26.105, 204.136



84, 45.116, 204.643

Inverse Universe

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



23, 56.949, 330.163



31, 68.510, 330.220



28, 42.333, 65.400



20, 4.091, 326.220



26, 61.786, 330.190



57, 106.910, 330.315

Previews

White Background



This preview shows how the CIELCh color 37, 24.209, 203.968 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, 24.209, 203.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

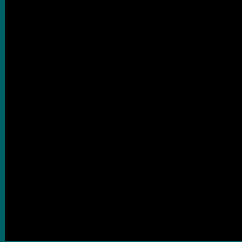
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 24.209, 203.968

Background



This preview shows how black text looks on a background with the CIELCh color 37, 24.209, 203.968.



This preview shows how white text looks on a background with the CIELCh color 37, 24.209, 203.968.

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, 24.032, 204.038

Protanopia

37, 4.954, 286.249

Deuteranopia

37, 12.424, 295.757



Tritanopia
37, 23.001, 209.316

Trichromacy



Original Color
37, 24.032, 204.038

Protanomaly
36, 13.547, 216.698

Deuteranomaly
36, 14.739, 237.768

Tritanomaly
37, 23.346, 207.496

Monochromacy



Original Color
37, 24.032, 204.038

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 13.093, 203.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 24.209, 203.968 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 24.209, 203.968 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, 102) }
```

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

```
.border{ border-color:rgb(0, 97, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 24.209, 203.968 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, 102) }
```

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

```
.background{ background-color: rgb(0, 97,  
102) }
```

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