

Converting Colors

CIELCh(37, 24.150, 227.927)

Have a look what the booklet for
CIELCh(37, 24.150, 227.927)
contains.

CIELCh(37, 24.128, 226.577)	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, 24.128, 226.577)

Conversions

Conversions Part 1

Format	Color
Hex	006073
RGB	0, 96, 115
RGB Percent	0%, 38%, 45%
CMY	0.9992, 0.6248, 0.5503
CMYK	1.00, 0.17, 0.00, 0.55
HSL	190°, 100%, 23%
HSV	190°, 100%, 45%
XYZ	7.2309, 9.5379, 17.5790
YIQ	69.4620, -63.3150, -14.4430

Conversions

Conversions Part 2

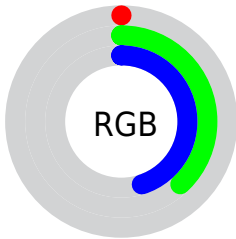
Format	Color
RYB	0, 52, 115
Decimal	24691
CIELab	37.00, -16.59, -17.52
CIELCh	37, 24.128, 226.577
Yxy	9.5379, 0.2105, 0.2777
Android (android.graphics.Color)	4278214771 (0xFF006073)
YUV	69.4620, 22.4502, -60.9182
Hunter-Lab	30.8835, -12.2529, -12.1297

Details

The CIELCh color **37, 24.128, 226.577** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 53.324, 41.652**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 24.115, 226.181**, and **18, 17.317, 243.952** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.139, 226.618**, and if you desaturate by 10%, it is **38, 23.458, 224.090**.

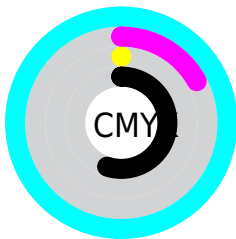
Distribution



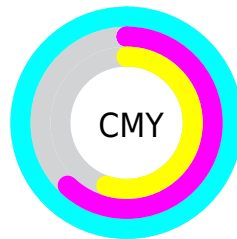
- Red (0%)
- Green (38%)
- Blue (45%)



- Red (0%)
- Yellow (20%)
- Blue (45%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (55%)




- Cyan (100%)
- Magenta (62%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 24.128, 226.577 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, 24.128, 226.577 by changing the saturation by 10% instead.


 37, 24.128,
226.577

 37, 24.128,
226.577

 100, 24.128,
226.577


 27, 24.128,
226.577

 57, 24.128,
226.577

 17, 24.128,
226.577


 67, 24.128,
226.577

 7, 24.128, 226.577

 77, 24.128,
226.577

 0, 24.128, 226.577

 87, 24.128,
226.577

 97, 24.128,
226.577

■ 37, 24.128,
226.577

■ 37, 24.128,
226.577

■ 37, 24.139,
226.618

■ 38, 23.458,
224.090

■ 39, 22.538,
221.863

■ 40, 21.147,
220.091

■ 41, 19.272,
218.713

■ 42, 16.933,
217.666

■ 43, 14.168,
216.895

■ 44, 11.029,
216.350

■ 45, 7.573, 215.991

Harmonies

Complementary

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



37, 24.128, 226.577



24, 53.324, 41.652

Rectangle

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



37, 24.128, 226.577



37, 24.128, 276.577



37, 24.128, 46.577



37, 24.128, 96.577

Sweetspot

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



37, 24.127, 226.577



56, 13.620, 216.392



42, 62.853, 138.275



28, 9.124, 216.551



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



37, 24.127, 226.577



47, 29.006, 227.487



19, 50.359, 293.926



23, 2.172, 215.802



39, 24.913, 226.782



77, 42.555, 228.770

Inverse Universe

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



25, 56.552, 335.752



33, 67.793, 335.989



35, 45.685, 75.462



22, 4.086, 329.850



26, 58.367, 335.807



56, 98.991, 336.322

Previews

White Background



This preview shows how the CIELCh color 37, 24.128, 226.577 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, 24.128, 226.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

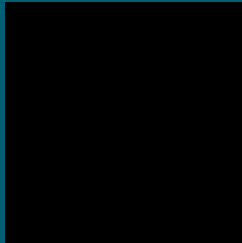
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 24.128, 226.577

Background



This preview shows how black text looks on a background with the CIELCh color 37, 24.128, 226.577.

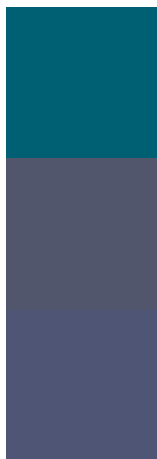


This preview shows how white text looks on a background with the CIELCh color 37, 24.128, 226.577.

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, 24.190, 226.487

Protanopia

37, 13.652, 285.965

Deuteranopia

37, 19.240, 285.692



Tritanopia
37, 23.826, 208.786

Trichromacy



Original Color
37, 24.190, 226.487

Protanomaly
36, 17.245, 244.687

Deuteranomaly
36, 19.956, 252.837

Tritanomaly
37, 23.782, 215.192

Monochromacy



Original Color
37, 24.190, 226.487

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 13.258, 217.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 24.128, 226.577 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, 96, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 115)  
}
```

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, 96, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 24.128, 226.577 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, 96, 115) }
```

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

```
.border{ border-color:rgb(0, 96, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 96, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 96, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 96, 115)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 24.128, 226.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 96, 115) }
```

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

```
.background{ background-color: rgb(0, 96,  
115) }
```

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