

Converting Colors

CIELCh(37, 18.863, 239.404)

Have a look what the booklet for
CIELCh(37, 18.863, 239.404)
contains.

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Color

CIELCh(37, 18.870, 239.291)

Conversions

Conversions Part 1

Format	Color
Hex	2E5D71
RGB	46, 93, 113
RGB Percent	18%, 36%, 44%
CMY	0.8208, 0.6364, 0.5580
CMYK	0.59, 0.18, 0.00, 0.56
HSL	198°, 42%, 31%
HSV	198°, 59%, 44%
XYZ	7.9660, 9.5379, 16.9569
YIQ	81.2270, -34.4320, -3.7440

Conversions

Conversions Part 2

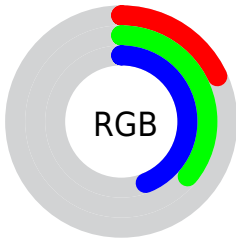
Format	Color
RYB	46, 74, 113
Decimal	3038577
CIELab	37.00, -9.64, -16.22
CIElCh	37, 18.870, 239.291
Yxy	9.5379, 0.2312, 0.2768
Android (android.graphics.Color)	4281228657 (0xFF2E5D71)
YUV	81.2270, 15.6641, -30.8941
Hunter-Lab	30.8835, -8.0044, -10.9352




Details

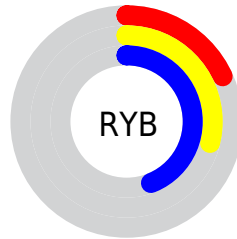
The CIELCh color **37, 18.870, 239.291** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 27.616, 48.773**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **57, 18.963, 240.139**, and **18, 17.079, 245.220** is the 20% darker color. If you saturate the color by 10%, you get **35, 21.088, 241.950**, and if you desaturate by 10%, it is **39, 16.328, 237.134**.

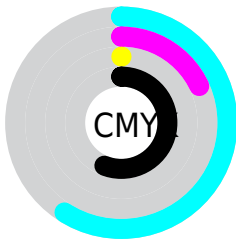
Distribution







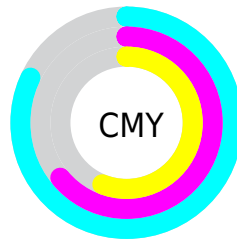
-  Red (18%)
-  Green (36%)
-  Blue (44%)






-  Red (18%)
-  Yellow (29%)
-  Blue (44%)



-  Cyan (59%)
-  Magenta (18%)
-  Yellow (0%)
-  Black (56%)





-  Cyan (82%)
-  Magenta (64%)
-  Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 18.870, 239.291 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, 18.870, 239.291 by changing the saturation by 10% instead.


 37, 18.870,
239.291


 37, 18.870,
239.291

 100, 18.870,
239.291


 27, 18.870,
239.291

 57, 18.870,
239.291


 17, 18.870,
239.291


 67, 18.870,
239.291

 7, 18.870, 239.291

 77, 18.870,
239.291

 0, 18.870, 239.291

 87, 18.870,
239.291

 97, 18.870,
239.291

■ 37, 18.870,
239.291

■ 37, 18.870,
239.291

■ 35, 21.088,
241.950

■ 39, 16.328,
237.134

■ 34, 22.990,
245.185

■ 40, 13.485,
235.402

■ 33, 24.611,
249.038

■ 42, 10.370,
234.022

■ 31, 26.139,
253.133

■ 44, 7.025, 232.931

■ 31, 26.226,
253.342

■ 46, 3.490, 232.100

■ 48, 0.199, 49.637

■ 50, 4.008, 50.668

■ 52, 7.907, 50.269

■ 54, 11.872, 49.934

Harmonies

Complementary

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



37, 18.870, 239.291



33, 27.616, 48.773

Rectangle

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



37, 18.870, 239.291



37, 18.870, 289.291



37, 18.870, 59.291



37, 18.870, 109.291

Sweetspot

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



37, 18.869, 239.290



56, 8.023, 232.836



42, 38.675, 148.063



29, 5.588, 233.061



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, 18.869, 239.290



45, 26.138, 242.966



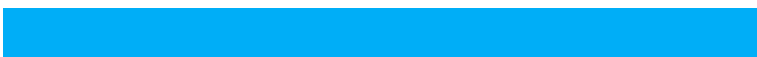
27, 34.194, 289.462



22, 2.068, 232.068



33, 27.479, 253.707



67, 48.133, 256.802

Inverse Universe

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



30, 38.309, 338.728



36, 53.576, 340.108



42, 31.577, 92.500



22, 3.718, 334.759



26, 53.252, 343.957



55, 89.993, 345.158

Previews

White Background



This preview shows how the CIE LCh color 37, 18.870, 239.291 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 CIE LCh color 37, 18.870, 239.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

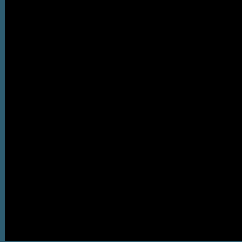
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 18.870, 239.291

Background



This preview shows how black text looks on a background with the CIELCh color 37, 18.870, 239.291.

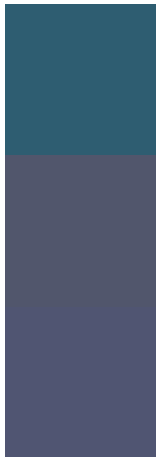


This preview shows how white text looks on a background with the CIELCh color 37, 18.870, 239.291.

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, 18.870, 239.291

Protanopia

37, 13.690, 284.409

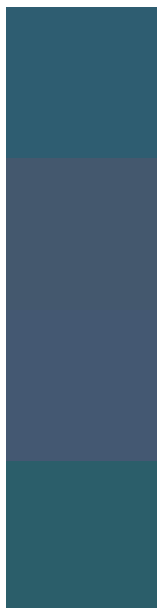
Deuteranopia

37, 17.994, 287.205



Tritanopia
37, 18.143, 211.229

Trichromacy



Original Color
37, 18.870, 239.291

Protanomaly
37, 15.108, 264.009

Deuteranomaly
37, 17.252, 268.713

Tritanomaly
37, 17.865, 222.324

Monochromacy



Original Color
37, 18.870, 239.291

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 8.165, 236.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 18.870, 239.291 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(46, 93, 113)` looks like.

```
.text, #text, p{  
    color:rgb(46, 93, 113)  
}
```

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(46, 93, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 93, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 18.870, 239.291 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(46, 93, 113) }
```

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

```
.border{ border-color:rgb(46, 93, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 93, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 93, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 93, 113);  
box-shadow:4px 4px 4px 4px rgb(46, 93,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 18.870, 239.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 93, 113) }
```

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

```
.background{ background-color: rgb(46, 93,  
113) }
```

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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