

Converting Colors

CIELCh(37, 16.866, 213.082)

Have a look what the booklet for
CIELCh(37, 16.866, 213.082)
contains.

CIELCh(37, 16.735, 212.597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(37, 16.735, 212.597)

Conversions

Conversions Part 1

Format	Color
Hex	2E5E65
RGB	46, 94, 101
RGB Percent	18%, 37%, 40%
CMY	0.8194, 0.6312, 0.6037
CMYK	0.54, 0.07, 0.00, 0.60
HSL	188°, 37%, 29%
HSV	188°, 54%, 40%
XYZ	7.4885, 9.5379, 13.7723
YIQ	80.4460, -30.8550, -7.9990

Conversions

Conversions Part 2

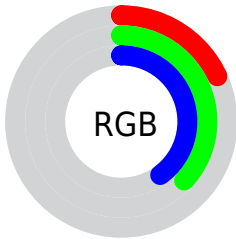
Format	Color
RYB	46, 72, 101
Decimal	3038821
CIELab	37.00, -14.10, -9.02
CIELCh	37, 16.735, 212.597
Yxy	9.5379, 0.2431, 0.3097
Android (android.graphics.Color)	4281228901 (0xFF2E5E65)
YUV	80.4460, 10.1331, -30.2091
Hunter-Lab	30.8835, -10.7643, -4.8214




Details

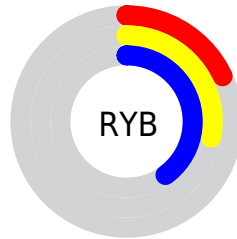
The CIELCh color **37, 16.735, 212.597** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 24.889, 34.003**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **57, 16.817, 211.792**, and **17, 14.918, 213.172** is the 20% darker color. If you saturate the color by 10%, you get **36, 18.706, 213.366**, and if you desaturate by 10%, it is **38, 14.350, 212.050**.

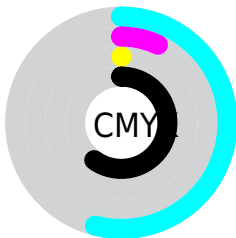
Distribution







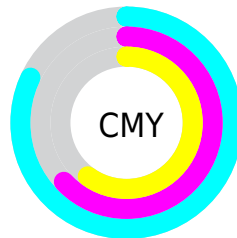
-  Red (18%)
-  Green (37%)
-  Blue (40%)






-  Red (18%)
-  Yellow (28%)
-  Blue (40%)



-  Cyan (54%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (60%)





-  Cyan (82%)
-  Magenta (63%)
-  Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 16.735, 212.597 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, 16.735, 212.597 by changing the saturation by 10% instead.


 37, 16.735,
212.597


 37, 16.735,
212.597

 100, 16.735,
212.597


 27, 16.735,
212.597

 57, 16.735,
212.597


 17, 16.735,
212.597


 67, 16.735,
212.597

 7, 16.735, 212.597

 77, 16.735,
212.597

 0, 16.735, 212.597

 87, 16.735,
212.597

 97, 16.735,
212.597

■ 37, 16.735,
212.597

■ 37, 16.735,
212.597

■ 36, 18.706,
213.366

■ 38, 14.350,
212.050

■ 35, 20.231,
214.405

■ 39, 11.595,
211.693

■ 35, 21.302,
215.757

■ 40, 8.522, 211.494

■ 34, 21.978,
217.418

■ 41, 5.183, 211.433

■ 42, 1.628, 211.588

■ 34, 22.332,
218.339

■ 44, 2.096, 31.310

■ 45, 5.948, 31.565

■ 46, 9.896, 31.786

■ 48, 13.910, 32.028

Harmonies

Complementary

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



37, 16.735, 212.597



28, 24.889, 34.003

Rectangle

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



37, 16.735, 212.597



37, 16.735, 262.597



37, 16.735, 32.597



37, 16.735, 82.597

Sweetspot

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



37, 16.735, 212.595



53, 7.148, 211.434



38, 36.929, 143.371



27, 4.768, 211.438



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, 16.735, 212.595



47, 23.224, 213.601



28, 22.596, 276.574



21, 2.062, 211.468



39, 24.411, 218.710



78, 42.186, 220.268

Inverse Universe

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



28, 36.427, 331.178



35, 52.409, 331.876



35, 23.561, 80.058



20, 3.875, 328.576



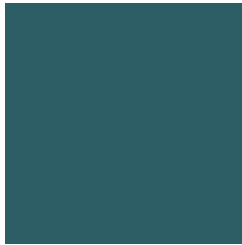
25, 58.256, 333.773



56, 100.446, 334.159

Previews

White Background



This preview shows how the CIELCh color 37, 16.735, 212.597 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, 16.735, 212.597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

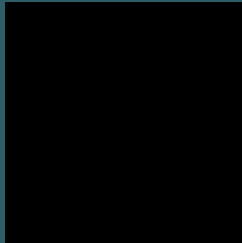
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

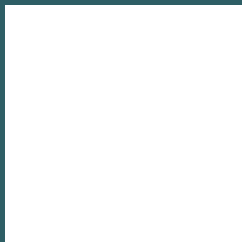
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 16.735, 212.597

Background



This preview shows how black text looks on a background with the CIELCh color 37, 16.735, 212.597.



This preview shows how white text looks on a background with the CIELCh color 37, 16.735, 212.597.

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, 16.735, 212.597

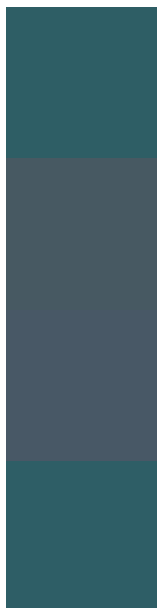
Protanopia
37, 6.190, 291.183

Deuteranopia
37, 11.192, 296.002



Tritanopia
37, 16.788, 214.795

Trichromacy



Original Color
37, 16.735, 212.597

Protanomaly
37, 8.746, 238.496

Deuteranomaly
37, 10.395, 255.848

Tritanomaly
37, 16.788, 214.795

Monochromacy



Original Color
37, 16.735, 212.597

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 7.280, 208.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 16.735, 212.597 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, 94, 101)` looks like.

```
.text, #text, p{  
    color:rgb(46, 94, 101)  
}
```

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, 94, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 94, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 16.735, 212.597 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, 94, 101) }
```

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

```
.border{ border-color:rgb(46, 94, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 94, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 94, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 94, 101);  
box-shadow:4px 4px 4px 4px rgb(46, 94,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 16.735, 212.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 94, 101) }
```

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

```
.background{ background-color: rgb(46, 94,  
101) }
```

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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