

Converting Colors

CIELCh(37, 17.934, 217.578)

Have a look what the booklet for
CIELCh(37, 17.934, 217.578)
contains.

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Color

CIELCh(37, 17.850, 217.922)

Conversions

Conversions Part 1

Format	Color
Hex	2A5E68
RGB	42, 94, 104
RGB Percent	16%, 37%, 41%
CMY	0.8345, 0.6306, 0.5914
CMYK	0.59, 0.10, 0.00, 0.59
HSL	190°, 42%, 29%
HSV	190°, 59%, 41%
XYZ	7.4904, 9.5379, 14.5925
YIQ	79.5920, -34.2020, -7.9140

Conversions

Conversions Part 2

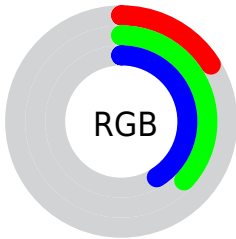
Format	Color
RYB	42, 70, 104
Decimal	2776680
CIELab	37.00, -14.08, -10.97
CIElCh	37, 17.850, 217.922
Yxy	9.5379, 0.2369, 0.3016
Android (android.graphics.Color)	4280966760 (0xFF2A5E68)
YUV	79.5920, 12.0331, -32.9682
Hunter-Lab	30.8835, -10.7534, -6.3961

Details

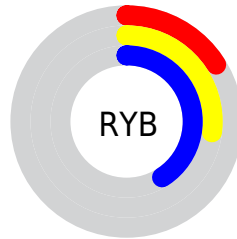
The CIELCh color **37, 17.850, 217.922** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 27.773, 37.150**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 17.889, 216.677**, and **18, 15.072, 221.730** is the 20% darker color. If you saturate the color by 10%, you get **36, 19.626, 219.197**, and if you desaturate by 10%, it is **38, 15.648, 216.954**.

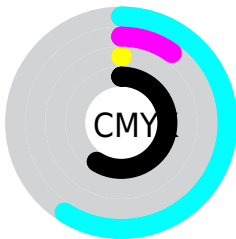
Distribution



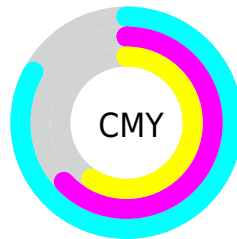
- Red (16%)
- Green (37%)
- Blue (41%)



- Red (16%)
- Yellow (27%)
- Blue (41%)



- Cyan (59%)
- Magenta (10%)
- Yellow (0%)
- Black (59%)





- Cyan (83%)
- Magenta (63%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 17.850, 217.922 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, 17.850, 217.922 by changing the saturation by 10% instead.


 37, 17.850,
217.922


 37, 17.850,
217.922

 100, 17.850,
217.922


 27, 17.850,
217.922

 57, 17.850,
217.922


 17, 17.850,
217.922


 67, 17.850,
217.922

 7, 17.850, 217.922

 77, 17.850,
217.922

 0, 17.850, 217.922

 87, 17.850,
217.922

 97, 17.850,
217.922

■ 37, 17.850,
217.922

■ 37, 17.850,
217.922

■ 36, 19.626,
219.197

■ 38, 15.648,
216.954

■ 35, 20.958,
220.844

■ 39, 13.059,
216.246

■ 34, 21.852,
222.917

■ 40, 10.129,
215.750

■ 34, 22.530,
225.199

■ 41, 6.911, 215.432

■ 34, 22.566,
225.312

■ 43, 3.456, 215.282

■ 44, 0.189, 33.279

■ 46, 3.981, 34.997

■ 47, 7.885, 35.096

■ 49, 11.870, 35.218

Harmonies

Complementary

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



37, 17.850, 217.922



28, 27.773, 37.150

Rectangle

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



37, 17.850, 217.922



37, 17.850, 267.922



37, 17.850, 37.922



37, 17.850, 87.922

Sweetspot

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



37, 17.850, 217.920



53, 7.926, 215.409



39, 40.080, 143.727



27, 5.514, 215.463



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, 17.850, 217.920



46, 24.262, 219.728



27, 26.636, 280.650



20, 2.012, 215.280



37, 24.160, 225.678



76, 41.880, 227.722

Inverse Universe

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



28, 39.380, 332.756



34, 55.345, 333.607



36, 27.008, 82.235



20, 3.783, 329.687



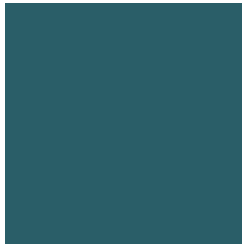
25, 56.802, 335.523



55, 97.800, 336.049

Previews

White Background



This preview shows how the CIELCh color 37, 17.850, 217.922 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, 17.850, 217.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

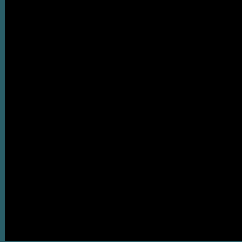
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 17.850, 217.922

Background



This preview shows how black text looks on a background with the CIELCh color 37, 17.850, 217.922.



This preview shows how white text looks on a background with the CIELCh color 37, 17.850, 217.922.

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, 17.850, 217.922

Protanopia

37, 8.048, 288.630

Deuteranopia

37, 13.007, 292.259



Tritanopia
37, 18.143, 211.229

Trichromacy



Original Color
37, 17.850, 217.922

Protanomaly
37, 10.380, 244.706

Deuteranomaly
36, 12.413, 257.419

Tritanomaly
37, 18.173, 213.272

Monochromacy



Original Color
37, 17.850, 217.922

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 7.843, 217.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 17.850, 217.922 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(42, 94, 104)` looks like.

```
.text, #text, p{  
    color:rgb(42, 94, 104)  
}
```

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(42, 94, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 94, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 17.850, 217.922 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(42, 94, 104) }
```

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

```
.border{ border-color:rgb(42, 94, 104) }
```

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

Here you see how a box with a 4 pixel rgb(42, 94, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 94, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 94, 104);  
box-shadow:4px 4px 4px 4px rgb(42, 94,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 17.850, 217.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 94, 104) }
```

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

```
.background{ background-color: rgb(42, 94,  
104) }
```

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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