

Converting Colors

CIELCh(37, 13.808, 197.652)

Have a look what the booklet for
CIELCh(37, 13.808, 197.652)
contains.

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Color

CIELCh(37, 13.813, 197.638)

Conversions

Conversions Part 1

Format	Color
Hex	385D5D
RGB	56, 93, 93
RGB Percent	22%, 36%, 36%
CMY	0.7790, 0.6339, 0.6339
CMYK	0.40, 0.00, 0.00, 0.63
HSL	180°, 25%, 29%
HSV	180°, 40%, 37%
XYZ	7.5870, 9.5379, 11.8785
YIQ	81.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

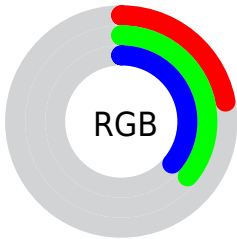
Format	Color
RYB	56, 75, 93
Decimal	3693917
CIELab	37.00, -13.16, -4.19
CIELCh	37, 13.813, 197.638
Yxy	9.5379, 0.2616, 0.3289
Android (android.graphics.Color)	4281883997 (0xFF385D5D)
YUV	81.9370, 5.4541, -22.7467
Hunter-Lab	30.8835, -10.1952, -1.1858

Details

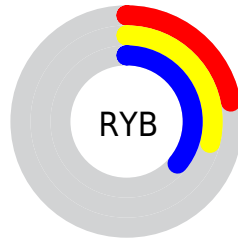
The CIELCh color **37, 13.813, 197.638** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 17.868, 22.806**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 13.736, 198.116**, and **17, 13.830, 196.662** is the 20% darker color. If you saturate the color by 10%, you get **37, 16.544, 197.291**, and if you desaturate by 10%, it is **38, 10.726, 198.032**.

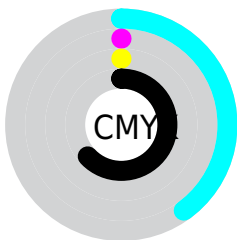
Distribution



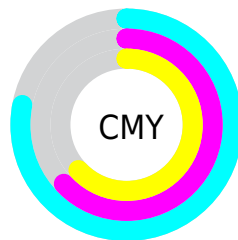
- Red (22%)
- Green (36%)
- Blue (36%)



- Red (22%)
- Yellow (29%)
- Blue (36%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (63%)





- Cyan (78%)
- Magenta (63%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 13.813, 197.638 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, 13.813, 197.638 by changing the saturation by 10% instead.

 37, 13.813,
197.638


 37, 13.813,
197.638

 100, 13.813,
197.638

 27, 13.813,
197.638

 57, 13.813,
197.638


 17, 13.813,
197.638


 67, 13.813,
197.638

 7, 13.813, 197.638

 77, 13.813,
197.638

 0, 13.813, 197.638

 87, 13.813,
197.638

 97, 13.813,
197.638

■ 37, 13.813,
197.638

■ 37, 13.813,
197.638

■ 37, 16.544,
197.291

■ 38, 10.726,
198.032

■ 36, 18.874,
197.002

■ 38, 7.335, 198.481

■ 39, 3.695, 198.997

■ 36, 20.767,
196.770

■ 40, 0.142, 17.174

■ 36, 22.209,
196.595

■ 41, 4.126, 19.874

■ 35, 23.205,
196.475

■ 41, 8.217, 20.465

■ 42, 12.377, 21.046

■ 35, 24.009,
196.378

■ 44, 16.576, 21.629

■ 35, 24.038,
196.375

■ 45, 20.791, 22.214

Harmonies

Complementary

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



37, 13.813, 197.638



28, 17.868, 22.806

Rectangle

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



37, 13.813, 197.638



37, 13.813, 247.638



37, 13.813, 17.638



37, 13.813, 67.638

Sweetspot

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



37, 13.813, 197.635



50, 5.711, 198.845



36, 27.600, 141.353



25, 3.746, 198.807



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



37, 13.813, 197.635



48, 20.005, 197.294



31, 13.108, 259.674



18, 2.122, 199.046



42, 26.914, 196.375



85, 47.440, 196.374

Inverse Universe

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



28, 17.868, 22.806



34, 27.867, 24.326



33, 14.707, 69.119



17, 2.233, 19.822



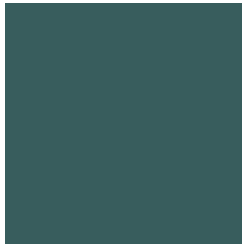
21, 53.759, 36.846



50, 98.983, 39.998

Previews

White Background



This preview shows how the CIELCh color 37, 13.813, 197.638 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, 13.813, 197.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

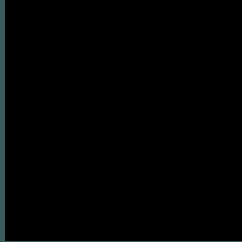
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 13.813, 197.638

Background



This preview shows how black text looks on a background with the CIELCh color 37, 13.813, 197.638.



This preview shows how white text looks on a background with the CIELCh color 37, 13.813, 197.638.

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, 13.813, 197.638

Protanopia

37, 2.052, 314.750

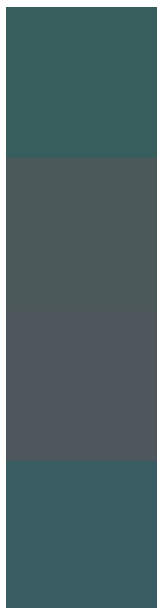
Deuteranopia

37, 7.441, 314.121



Tritanopia
37, 13.101, 220.343

Trichromacy



Original Color
37, 13.813, 197.638

Protanomaly
37, 5.381, 212.118

Deuteranomaly
36, 5.572, 250.422

Tritanomaly
37, 13.164, 214.390

Monochromacy



Original Color
37, 13.813, 197.638

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 5.343, 198.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 13.813, 197.638 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(56, 93, 93)` looks like.

```
.text, #text, p{  
    color:rgb(56, 93, 93)  
}
```

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(56, 93, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 93, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 13.813, 197.638 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(56, 93, 93) }
```

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

```
.border{ border-color:rgb(56, 93, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 93, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 93, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 93, 93);  
box-shadow:4px 4px 4px 4px rgb(56, 93, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 13.813, 197.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 93, 93) }
```

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

```
.background{ background-color: rgb(56, 93,  
93) }
```

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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