

Converting Colors

CIELCh(37, 15.650, 187.953)

Have a look what the booklet for
CIELCh(37, 15.650, 187.953)
contains.

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Color

CIELCh(37, 15.615, 188.207)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 355E5A |
| RGB | 53, 94, 90 |
| RGB Percent | 21%, 37%, 35% |
| CMY | 0.7915, 0.6307, 0.6464 |
| CMYK | 0.44, 0.00, 0.04, 0.63 |
| HSL | 174°, 28%, 29% |
| HSV | 174°, 44%, 37% |
| XYZ | 7.3473, 9.5379, 11.1638 |
| YIQ | 81.2850, -23.1520, -9.9360 |

Conversions

Conversions Part 2

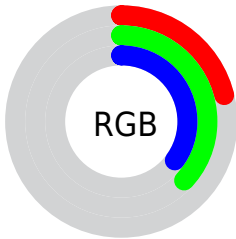
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 53, 75, 94 |
| Decimal | 3497562 |
| CIELab | 37.00, -15.46, -2.23 |
| CIELCh | 37, 15.615, 188.207 |
| Yxy | 9.5379, 0.2619, 0.3400 |
| Android (android.graphics.Color) | 4281687642 (0xFF355E5A) |
| YUV | 81.2850, 4.2965, -24.8059 |
| Hunter-Lab | 30.8835, -11.5806, 0.1862 |

Details

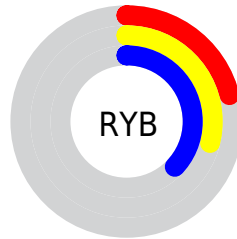
The CIELCh color **37, 15.615, 188.207** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 19.682, 16.063**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 15.923, 187.517**, and **17, 15.757, 188.597** is the 20% darker color. If you saturate the color by 10%, you get **37, 18.445, 187.437**, and if you desaturate by 10%, it is **38, 12.440, 188.954**.

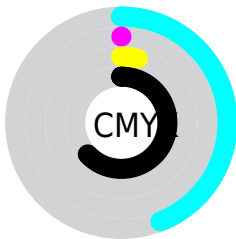
Distribution



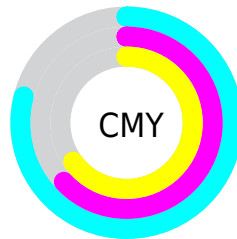
- Red (21%)
- Green (37%)
- Blue (35%)



- Red (21%)
- Yellow (29%)
- Blue (37%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (63%)





- Cyan (79%)
- Magenta (63%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 15.615, 188.207 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, 15.615, 188.207 by changing the saturation by 10% instead.


 37, 15.615,
188.207


 37, 15.615,
188.207

 100, 15.615,
188.207


 27, 15.615,
188.207

 57, 15.615,
188.207


 17, 15.615,
188.207


 67, 15.615,
188.207

 7, 15.615, 188.207

 77, 15.615,
188.207

 0, 15.615, 188.207

 87, 15.615,
188.207

 97, 15.615,
188.207

■ 37, 15.615,
188.207

■ 37, 15.615,
188.207

■ 37, 18.445,
187.437

■ 38, 12.440,
188.954

■ 36, 20.880,
186.641

■ 38, 8.975, 189.693

■ 39, 5.278, 190.437

■ 36, 22.884,
185.804

■ 40, 1.404, 191.311

■ 36, 24.441,
184.912

■ 41, 2.599, 11.674

■ 41, 6.685, 12.445

■ 35, 25.598,
183.965

■ 42, 10.819, 13.153

■ 35, 26.311,
183.377

■ 44, 14.971, 13.842

■ 45, 19.118, 14.517

Harmonies

Complementary

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



37, 15.615, 188.207



27, 19.682, 16.063

Rectangle

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



37, 15.615, 188.207



37, 15.615, 238.207



37, 15.615, 8.207



37, 15.615, 58.207

Sweetspot

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



37, 15.615, 188.205



50, 6.290, 190.447



36, 29.671, 139.092



25, 4.346, 190.330



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, 15.615, 188.205



47, 22.223, 187.432



32, 13.364, 250.151



18, 2.157, 190.806



41, 29.336, 183.156



85, 52.057, 182.376

Inverse Universe

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



27, 19.682, 16.063



33, 29.760, 17.925



32, 16.173, 59.903



17, 2.250, 11.928



21, 51.516, 32.885



50, 94.778, 36.655

Previews

White Background



This preview shows how the CIELCh color 37, 15.615, 188.207 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, 15.615, 188.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

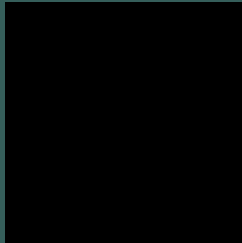
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 15.615, 188.207

Background



This preview shows how black text looks on a background with the CIELCh color 37, 15.615, 188.207.



This preview shows how white text looks on a background with the CIELCh color 37, 15.615, 188.207.

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, 15.615, 188.207

Protanopia

37, 0.855, 19.175

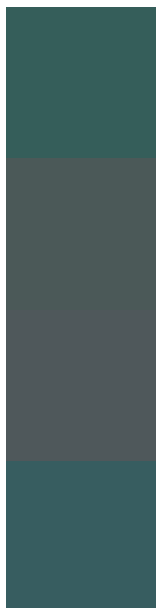
Deuteranopia

37, 6.262, 328.106



Tritanopia
37, 13.829, 216.216

Trichromacy



Original Color
37, 15.615, 188.207

Protanomaly
37, 5.784, 192.500

Deuteranomaly
37, 4.081, 226.155

Tritanomaly
37, 13.957, 205.383

Monochromacy



Original Color
37, 15.615, 188.207

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 6.339, 187.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 15.615, 188.207 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(53, 94, 90)` looks like.

```
.text, #text, p{  
    color:rgb(53, 94, 90)  
}
```

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(53, 94, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 94, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 15.615, 188.207 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(53, 94, 90) }
```

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

```
.border{ border-color:rgb(53, 94, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 94, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 94, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 94, 90);  
box-shadow:4px 4px 4px 4px rgb(53, 94, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 15.615, 188.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 94, 90) }
```

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

```
.background{ background-color: rgb(53, 94,  
90) }
```

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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