

Converting Colors

CIELCh(37, 16.437, 198.292)

Have a look what the booklet for
CIELCh(37, 16.437, 198.292)
contains.

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Color

CIELCh(37, 16.355, 199.536)

Conversions

Conversions Part 1

Format	Color
Hex	305E5F
RGB	48, 94, 95
RGB Percent	19%, 37%, 37%
CMY	0.8103, 0.6300, 0.6261
CMYK	0.49, 0.01, 0.00, 0.63
HSL	181°, 33%, 28%
HSV	181°, 49%, 37%
XYZ	7.3516, 9.5379, 12.3637
YIQ	80.3600, -27.7370, -9.4410

Conversions

Conversions Part 2

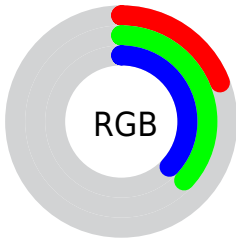
Format	Color
R_{YB}	48, 71, 95
Decimal	3169887
CIE _{Lab}	37.00, -15.41, -5.47
CIE _{LCh}	37, 16.355, 199.536
Yxy	9.5379, 0.2513, 0.3260
Android (android.graphics.Color)	4281359967 (0xFF305E5F)
YUV	80.3600, 7.2175, -28.3797
Hunter-Lab	30.8835, -11.5557, -2.1172




Details

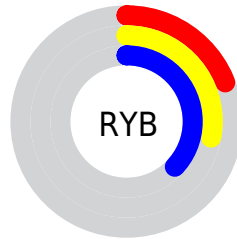
The CIELCh color **37, 16.355, 199.536** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 22.883, 25.687**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **57, 16.581, 197.860**, and **17, 15.320, 199.078** is the 20% darker color. If you saturate the color by 10%, you get **37, 18.671, 199.373**, and if you desaturate by 10%, it is **38, 13.634, 199.770**.

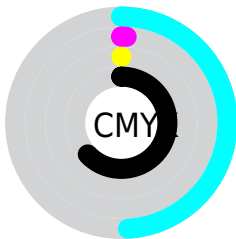
Distribution







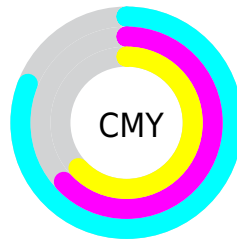
-  Red (19%)
-  Green (37%)
-  Blue (37%)






-  Red (19%)
-  Yellow (28%)
-  Blue (37%)



-  Cyan (49%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (63%)





-  Cyan (81%)
-  Magenta (63%)
-  Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 16.355, 199.536 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, 16.355, 199.536 by changing the saturation by 10% instead.


 37, 16.355,
199.536


 37, 16.355,
199.536

 100, 16.355,
199.536


 27, 16.355,
199.536

 57, 16.355,
199.536


 17, 16.355,
199.536


 67, 16.355,
199.536

 7, 16.355, 199.536

 77, 16.355,
199.536

 0, 16.355, 199.536

 87, 16.355,
199.536

 97, 16.355,
199.536

■ 37, 16.355,
199.536

■ 37, 16.355,
199.536

■ 37, 18.671,
199.373

■ 38, 13.634,
199.770

■ 36, 20.547,
199.293

■ 38, 10.557,
200.075

■ 36, 21.964,
199.300

■ 39, 7.175, 200.444

■ 36, 22.926,
199.396

■ 40, 3.545, 200.894

■ 35, 23.666,
199.530

■ 41, 0.282, 20.097

■ 35, 23.720,
199.539

■ 41, 4.257, 21.645

■ 42, 8.340, 22.182

■ 44, 12.494, 22.712

■ 45, 16.690, 23.247

Harmonies

Complementary

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



37, 16.355, 199.536



26, 22.883, 25.687

Rectangle

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



37, 16.355, 199.536



37, 16.355, 249.536



37, 16.355, 19.536



37, 16.355, 69.536

Sweetspot

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



37, 16.355, 199.534



51, 7.047, 200.603



36, 34.366, 141.230



26, 4.827, 200.541



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 16.355, 199.534



48, 23.007, 199.355



29, 17.093, 265.601



20, 2.173, 200.914



42, 26.586, 199.603



85, 46.396, 199.812

Inverse Universe

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



28, 34.126, 327.464



34, 49.708, 327.952



33, 19.235, 71.355



18, 3.992, 325.442



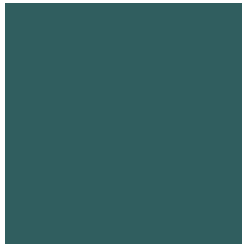
26, 62.089, 329.055



57, 108.432, 329.107

Previews

White Background



This preview shows how the CIELCh color 37, 16.355, 199.536 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, 16.355, 199.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

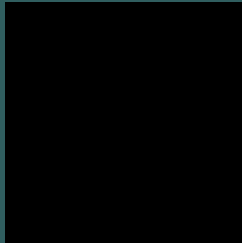
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 16.355, 199.536

Background



This preview shows how black text looks on a background with the CIELCh color 37, 16.355, 199.536.



This preview shows how white text looks on a background with the CIELCh color 37, 16.355, 199.536.

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, 16.355, 199.536

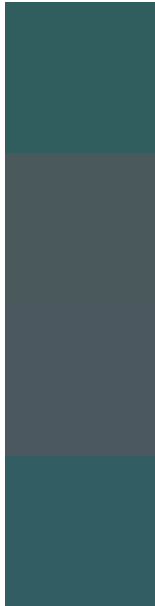
Protanopia
37, 2.520, 300.159

Deuteranopia
37, 8.460, 308.297



Tritanopia
37, 15.540, 216.394

Trichromacy



Original Color
37, 16.355, 199.536

Protanomaly
37, 6.607, 215.037

Deuteranomaly
37, 7.019, 244.025

Tritanomaly
37, 15.675, 211.386

Monochromacy



Original Color
37, 16.355, 199.536

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 6.900, 198.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 16.355, 199.536 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(48, 94, 95)` looks like.

```
.text, #text, p{  
    color:rgb(48, 94, 95)  
}
```

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(48, 94, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 94, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 16.355, 199.536 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(48, 94, 95) }
```

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

```
.border{ border-color:rgb(48, 94, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 94, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 94, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 94, 95);  
box-shadow:4px 4px 4px 4px rgb(48, 94, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 16.355, 199.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 94, 95) }
```

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

```
.background{ background-color: rgb(48, 94,  
95) }
```

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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