

Converting Colors

CIELCh(37, 19.531, 170.781)

Have a look what the booklet for
CIELCh(37, 19.531, 170.781)
contains.

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Color

CIELCh(37, 19.554, 170.554)

Conversions

Conversions Part 1

Format	Color
Hex	325F51
RGB	50, 95, 81
RGB Percent	20%, 37%, 32%
CMY	0.8025, 0.6260, 0.6810
CMYK	0.47, 0.00, 0.15, 0.63
HSL	161°, 31%, 29%
HSV	161°, 47%, 37%
XYZ	6.9576, 9.5379, 9.3290
YIQ	79.9490, -22.3260, -13.8940

Conversions

Conversions Part 2

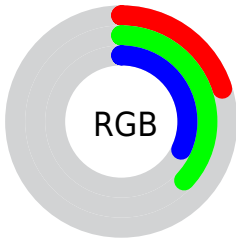
Format	Color
R_{YB}	50, 77, 95
Decimal	3301201
CIE _{Lab}	37.00, -19.29, 3.21
CIE _{LCh}	37, 19.554, 170.554
Yxy	9.5379, 0.2694, 0.3693
Android (android.graphics.Color)	4281491281 (0xFF325F51)
YUV	79.9490, 0.5181, -26.2653
Hunter-Lab	30.8835, -13.8326, 3.7087

Details

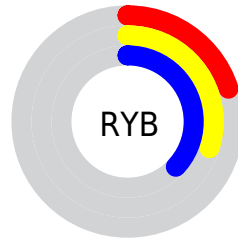
The CIELCh color **37, 19.554, 170.554** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 22.177, 0.666**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 19.864, 170.108**, and **17, 18.999, 171.786** is the 20% darker color. If you saturate the color by 10%, you get **37, 23.077, 169.305**, and if you desaturate by 10%, it is **38, 15.737, 171.689**.

Distribution



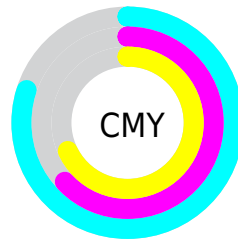
- Red (20%)
- Green (37%)
- Blue (32%)



- Red (20%)
- Yellow (30%)
- Blue (37%)



- Cyan (47%)
- Magenta (0%)
- Yellow (15%)
- Black (63%)





- Cyan (80%)
- Magenta (63%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 19.554, 170.554 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, 19.554, 170.554 by changing the saturation by 10% instead.


 37, 19.554,
170.554


 37, 19.554,
170.554

 100, 19.554,
170.554

 27, 19.554,
170.554

 57, 19.554,
170.554


 17, 19.554,
170.554


 67, 19.554,
170.554

 7, 19.554, 170.554

 77, 19.554,
170.554

 0, 19.554, 170.554

 87, 19.554,
170.554

 97, 19.554,
170.554

■ 37, 19.554,
170.554

■ 37, 19.554,
170.554

■ 37, 23.077,
169.305

■ 38, 15.737,
171.689

■ 36, 26.247,
167.926

■ 38, 11.689,
172.734

■ 36, 29.022,
166.395

■ 39, 7.472, 173.707

■ 36, 31.378,
164.697

■ 40, 3.146, 174.652

■ 41, 1.240, 355.180

■ 35, 33.456,
162.945

■ 42, 5.642, 356.146

■ 35, 34.046,
162.490

■ 43, 10.026,
356.919

■ 44, 14.367,
357.643

■ 45, 18.645,

Harmonies

Complementary

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



37, 19.554, 170.554



27, 22.177, 0.666

Rectangle

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



37, 19.554, 170.554



37, 19.554, 220.554



37, 19.554, 350.554



37, 19.554, 40.554

Sweetspot

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



37, 19.554, 170.553



51, 7.619, 173.966



37, 30.318, 133.033



26, 5.295, 173.821



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, 19.554, 170.553



48, 28.590, 169.094



35, 13.902, 219.785



20, 2.485, 174.487



41, 38.453, 162.030



84, 68.816, 160.568

Inverse Universe

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



27, 22.177, 0.666



33, 33.368, 2.848



29, 19.273, 38.069



18, 2.543, 355.883



22, 47.034, 17.282



51, 83.671, 21.103

Previews

White Background



This preview shows how the CIELCh color 37, 19.554, 170.554 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, 19.554, 170.554 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, 19.554, 170.554

Background



This preview shows how black text looks on a background with the CIELCh color 37, 19.554, 170.554.



This preview shows how white text looks on a background with the CIELCh color 37, 19.554, 170.554.

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, 19.554, 170.554

Protanopia

37, 5.970, 87.357

Deuteranopia

37, 5.242, 20.105



Tritanopia
37, 13.829, 216.216

Trichromacy



Original Color
37, 19.554, 170.554

Protanomaly
36, 8.365, 150.727

Deuteranomaly
36, 4.945, 160.068

Tritanomaly
37, 14.839, 195.103

Monochromacy



Original Color
37, 19.554, 170.554

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 8.093, 170.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 19.554, 170.554 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(50, 95, 81)` looks like.

```
.text, #text, p{  
    color:rgb(50, 95, 81)  
}
```

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(50, 95, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 95, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 19.554, 170.554 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(50, 95, 81) }
```

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

```
.border{ border-color:rgb(50, 95, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 95, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 95, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 95, 81);  
box-shadow:4px 4px 4px 4px rgb(50, 95, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 19.554, 170.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 95, 81) }
```

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

```
.background{ background-color: rgb(50, 95,  
81) }
```

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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