

Converting Colors

CIELCh(37, 16.999, 195.831)

Have a look what the booklet for
CIELCh(37, 16.999, 195.831)
contains.

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Color

CIELCh(37, 17.125, 195.153)

Conversions

Conversions Part 1

Format	Color
Hex	2F5F5E
RGB	47, 95, 94
RGB Percent	18%, 37%, 37%
CMY	0.8167, 0.6285, 0.6324
CMYK	0.51, 0.00, 0.01, 0.63
HSL	179°, 34%, 28%
HSV	179°, 51%, 37%
XYZ	7.2366, 9.5379, 11.9874
YIQ	80.5340, -28.2870, -10.4870

Conversions

Conversions Part 2

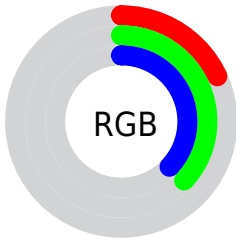
Format	Color
R_{YB}	47, 71, 95
Decimal	3104606
CIE _{Lab}	37.00, -16.53, -4.48
CIE _{LCh}	37, 17.125, 195.153
Yxy	9.5379, 0.2516, 0.3316
Android (android.graphics.Color)	4281294686 (0xFF2F5F5E)
YUV	80.5340, 6.6387, -29.4093
Hunter-Lab	30.8835, -12.2200, -1.3948




Details

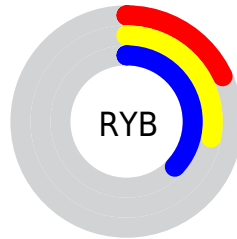
The CIELCh color **37, 17.125, 195.153** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 23.758, 23.047**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **57, 17.375, 193.989**, and **18, 15.897, 193.800** is the 20% darker color. If you saturate the color by 10%, you get **37, 19.479, 194.745**, and if you desaturate by 10%, it is **37, 14.364, 195.593**.

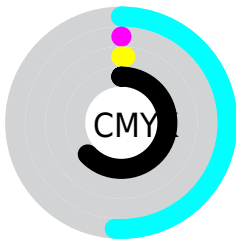
Distribution







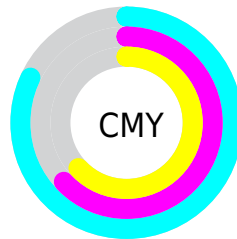
-  Red (18%)
-  Green (37%)
-  Blue (37%)






-  Red (18%)
-  Yellow (28%)
-  Blue (37%)



-  Cyan (51%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (63%)





-  Cyan (82%)
-  Magenta (63%)
-  Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 17.125, 195.153 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, 17.125, 195.153 by changing the saturation by 10% instead.


 37, 17.125,
195.153


 37, 17.125,
195.153

 100, 17.125,
195.153


 27, 17.125,
195.153

 57, 17.125,
195.153


 17, 17.125,
195.153


 67, 17.125,
195.153

 7, 17.125, 195.153

 77, 17.125,
195.153

 0, 17.125, 195.153

 87, 17.125,
195.153

 97, 17.125,
195.153

■ 37, 17.125,
195.153

■ 37, 17.125,
195.153

■ 37, 19.479,
194.745

■ 37, 14.364,
195.593

■ 36, 21.392,
194.374

■ 38, 11.243,
196.072

■ 36, 22.846,
194.033

■ 39, 7.817, 196.588

■ 36, 23.853,
193.717

■ 39, 4.139, 197.157

■ 36, 24.645,
193.438

■ 40, 0.266, 198.836

■ 41, 3.754, 18.125

■ 42, 7.877, 18.759

■ 43, 12.067, 19.372

■ 44, 16.293, 19.983

Harmonies

Complementary

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



37, 17.125, 195.153



26, 23.758, 23.047

Rectangle

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



37, 17.125, 195.153



37, 17.125, 245.153



37, 17.125, 15.153



37, 17.125, 65.153

Sweetspot

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



37, 17.125, 195.151



50, 7.101, 196.876



36, 35.128, 139.990



25, 4.782, 196.799



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, 17.125, 195.151



47, 23.891, 194.662



30, 16.462, 260.248



20, 2.225, 197.268



42, 27.772, 193.378



86, 48.598, 193.192

Inverse Universe

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



26, 23.758, 23.047



31, 36.278, 25.628



32, 19.448, 66.161



18, 2.339, 18.147



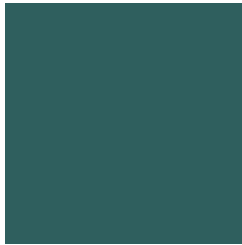
22, 54.317, 36.293



50, 98.948, 39.383

Previews

White Background



This preview shows how the CIELCh color 37, 17.125, 195.153 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, 17.125, 195.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

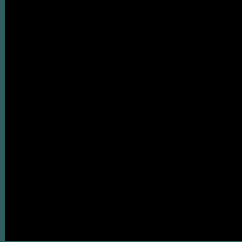
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

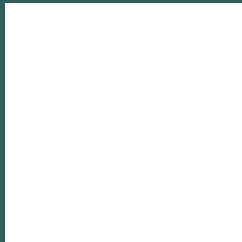
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 17.125, 195.153

Background



This preview shows how black text looks on a background with the CIELCh color 37, 17.125, 195.153.



This preview shows how white text looks on a background with the CIELCh color 37, 17.125, 195.153.

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, 17.125, 195.153

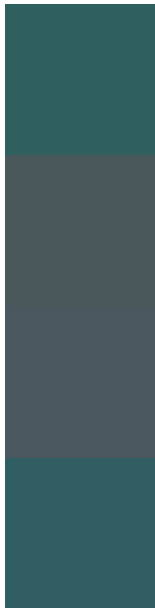
Protanopia
37, 2.052, 314.750

Deuteranopia
37, 8.012, 312.409



Tritanopia
37, 15.987, 213.405

Trichromacy



Original Color
37, 17.125, 195.153

Protanomaly
37, 6.510, 209.630

Deuteranomaly
37, 6.633, 239.890

Tritanomaly
37, 16.193, 206.303

Monochromacy



Original Color
37, 17.125, 195.153

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 6.910, 198.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 17.125, 195.153 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(47, 95, 94)` looks like.

```
.text, #text, p{  
    color:rgb(47, 95, 94)  
}
```

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(47, 95, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 95, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 17.125, 195.153 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(47, 95, 94) }
```

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

```
.border{ border-color:rgb(47, 95, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 95, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 95, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 95, 94);  
box-shadow:4px 4px 4px 4px rgb(47, 95, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 17.125, 195.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 95, 94) }
```

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

```
.background{ background-color: rgb(47, 95,  
94) }
```

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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