

Converting Colors

CIELCh(37, 17.906, 195.601)

Have a look what the booklet for
CIELCh(37, 17.906, 195.601)
contains.

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Color

CIELCh(37, 17.909, 195.147)

Conversions

Conversions Part 1

Format	Color
Hex	2C5F5E
RGB	44, 95, 94
RGB Percent	17%, 37%, 37%
CMY	0.8273, 0.6273, 0.6312
CMYK	0.54, 0.00, 0.01, 0.63
HSL	179°, 37%, 27%
HSV	179°, 54%, 37%
XYZ	7.1593, 9.5379, 12.0638
YIQ	79.6370, -30.0750, -11.1230

Conversions

Conversions Part 2

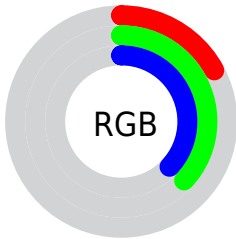
Format	Color
R_{YB}	44, 70, 95
Decimal	2907998
CIE _{Lab}	37.00, -17.29, -4.68
CIE _{LCh}	37, 17.909, 195.147
Yxy	9.5379, 0.2489, 0.3316
Android (android.graphics.Color)	4281098078 (0xFF2C5F5E)
YUV	79.6370, 7.0810, -31.2536
Hunter-Lab	30.8835, -12.6668, -1.5415

Details

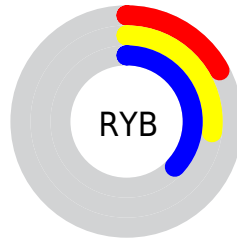
The CIELCh color **37, 17.909, 195.147** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 25.423, 23.702**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 17.982, 194.058**, and **17, 15.495, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **37, 20.136, 194.757**, and if you desaturate by 10%, it is **37, 15.261, 195.570**.

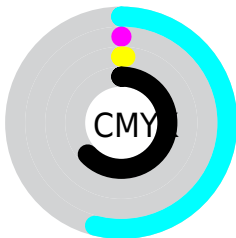
Distribution



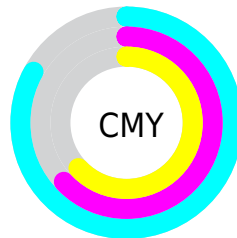
- Red (17%)
- Green (37%)
- Blue (37%)



- Red (17%)
- Yellow (27%)
- Blue (37%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (63%)





- Cyan (83%)
- Magenta (63%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 17.909, 195.147 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, 17.909, 195.147 by changing the saturation by 10% instead.


 37, 17.909,
195.147


 37, 17.909,
195.147

 100, 17.909,
195.147


 27, 17.909,
195.147

 57, 17.909,
195.147


 17, 17.909,
195.147


 67, 17.909,
195.147

 7, 17.909, 195.147

 77, 17.909,
195.147

 0, 17.909, 195.147

 87, 17.909,
195.147

 97, 17.909,
195.147

■ 37, 17.909,
195.147

■ 37, 17.909,
195.147

■ 37, 20.136,
194.757

■ 37, 15.261,
195.570

■ 36, 21.914,
194.403

■ 38, 12.237,
196.033

■ 36, 23.231,
194.080

■ 39, 8.888, 196.534

■ 36, 24.141,
193.782

■ 39, 5.272, 197.080

■ 40, 1.442, 197.788

■ 36, 24.680,
193.600

■ 41, 2.550, 18.007

■ 42, 6.658, 18.669

■ 43, 10.843, 19.282

■ 44, 15.074, 19.892

Harmonies

Complementary

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



37, 17.909, 195.147



25, 25.423, 23.702

Rectangle

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



37, 17.909, 195.147



37, 17.909, 245.147



37, 17.909, 15.147



37, 17.909, 65.147

Sweetspot

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



37, 17.909, 195.145



50, 7.553, 196.920



36, 37.125, 139.708



25, 5.035, 196.850



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, 17.909, 195.145



47, 24.608, 194.675



29, 17.412, 261.013



20, 2.224, 197.368



42, 27.747, 193.545



86, 48.551, 193.369

Inverse Universe

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



25, 25.423, 23.702



30, 38.281, 26.487



31, 20.794, 65.833



18, 2.339, 18.242



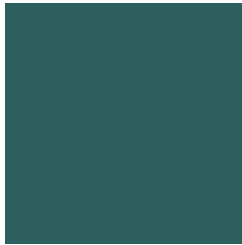
22, 54.345, 36.339



50, 98.993, 39.417

Previews

White Background



This preview shows how the CIELCh color 37, 17.909, 195.147 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, 17.909, 195.147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

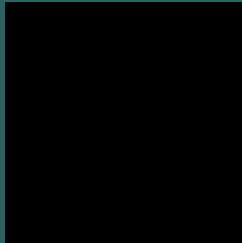
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 17.909, 195.147

Background



This preview shows how black text looks on a background with the CIELCh color 37, 17.909, 195.147.

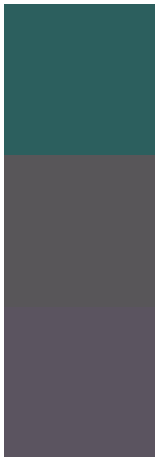


This preview shows how white text looks on a background with the CIELCh color 37, 17.909, 195.147.

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, 17.909, 195.147

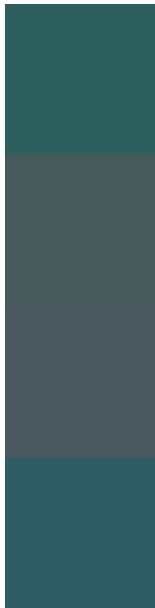
Protanopia
37, 2.052, 314.750

Deuteranopia
37, 8.012, 312.409



Tritanopia
37, 16.548, 215.081

Trichromacy



Original Color
37, 17.909, 195.147

Protanomaly
37, 6.882, 208.980

Deuteranomaly
36, 6.922, 237.815

Tritanomaly
37, 16.697, 208.177

Monochromacy



Original Color
37, 17.909, 195.147

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 7.292, 198.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 17.909, 195.147 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(44, 95, 94)` looks like.

```
.text, #text, p{  
    color:rgb(44, 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(44, 95, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 95, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 17.909, 195.147 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(44, 95, 94) }
```

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

```
.border{ border-color:rgb(44, 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(44, 95, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 95, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 95, 94);  
box-shadow:4px 4px 4px 4px rgb(44, 95, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 17.909, 195.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 95, 94) }
```

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

```
.background{ background-color: rgb(44, 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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