

Converting Colors

CIELCh(37, 16.632, 184.265)

Have a look what the booklet for
CIELCh(37, 16.632, 184.265)
contains.

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Color

CIELCh(37, 16.626, 184.303)

Conversions

Conversions Part 1

Format	Color
Hex	345F59
RGB	52, 95, 89
RGB Percent	20%, 37%, 35%
CMY	0.7978, 0.6292, 0.6527
CMYK	0.45, 0.00, 0.06, 0.63
HSL	172°, 29%, 29%
HSV	172°, 45%, 37%
XYZ	7.2316, 9.5379, 10.8163
YIQ	81.4590, -23.7020, -10.9820

Conversions

Conversions Part 2

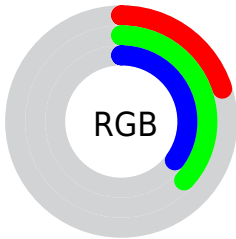
Format	Color
RYB	52, 75, 95
Decimal	3432281
CIELab	37.00, -16.58, -1.25
CIELCh	37, 16.626, 184.303
Yxy	9.5379, 0.2621, 0.3458
Android (android.graphics.Color)	4281622361 (0xFF345F59)
YUV	81.4590, 3.7177, -25.8355
Hunter-Lab	30.8835, -12.2494, 0.8533

Details

The CIELCh color **37, 16.626, 184.303** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 20.666, 13.220**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 16.909, 184.083**, and **17, 16.750, 184.063** is the 20% darker color. If you saturate the color by 10%, you get **37, 19.522, 183.384**, and if you desaturate by 10%, it is **38, 13.388, 185.172**.

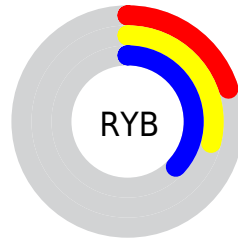
Distribution



Red (20%)

Green (37%)

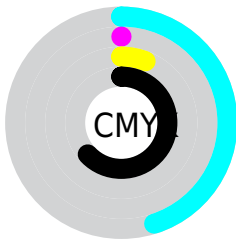
Blue (35%)



Red (20%)

Yellow (29%)

Blue (37%)

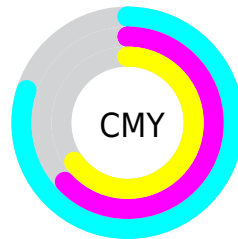


Cyan (45%)

Magenta (0%)

Yellow (6%)

Black (63%)



Cyan (80%)


Magenta (63%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 16.626, 184.303 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, 16.626, 184.303 by changing the saturation by 10% instead.


 37, 16.626,
184.303


 37, 16.626,
184.303

 100, 16.626,
184.303


 27, 16.626,
184.303

 57, 16.626,
184.303


 17, 16.626,
184.303


 67, 16.626,
184.303

 7, 16.626, 184.303

 77, 16.626,
184.303

 0, 16.626, 184.303

 87, 16.626,
184.303

 97, 16.626,
184.303

■ 37, 16.626,
184.303

■ 37, 16.626,
184.303

■ 37, 19.522,
183.384

■ 38, 13.388,
185.172

■ 36, 22.026,
182.409

■ 38, 9.865, 186.011

■ 39, 6.116, 186.832

■ 36, 24.103,
181.359

■ 40, 2.196, 187.700

■ 36, 25.738,
180.217

■ 41, 1.844, 8.154

■ 41, 5.958, 9.011

■ 35, 27.023,
179.010

■ 42, 10.112, 9.758

■ 35, 27.601,
178.492

■ 44, 14.275, 10.477

■ 45, 18.424, 11.177

Harmonies

Complementary

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



37, 16.626, 184.303



27, 20.666, 13.220

Rectangle

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



37, 16.626, 184.303



37, 16.626, 234.303



37, 16.626, 4.303



37, 16.626, 54.303

Sweetspot

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



37, 16.626, 184.301



50, 6.857, 186.918



36, 30.568, 137.720



25, 4.678, 186.798



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, 16.626, 184.301



47, 23.817, 183.271



32, 13.489, 243.680



20, 2.287, 187.382



42, 31.234, 178.170



85, 55.156, 177.186

Inverse Universe

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



27, 20.666, 13.220



32, 31.419, 15.438



31, 17.104, 54.467



18, 2.377, 8.625



22, 51.423, 30.977



50, 93.160, 34.465

Previews

White Background



This preview shows how the CIELCh color 37, 16.626, 184.303 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, 16.626, 184.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

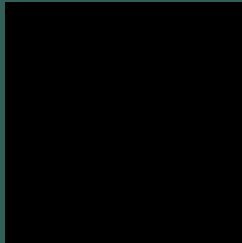
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 16.626, 184.303

Background



This preview shows how black text looks on a background with the CIELCh color 37, 16.626, 184.303.



This preview shows how white text looks on a background with the CIELCh color 37, 16.626, 184.303.

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, 16.626, 184.303

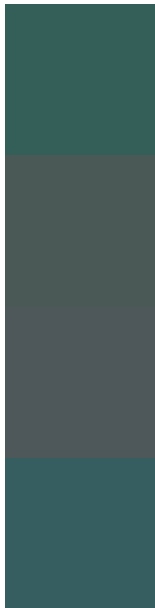
Protanopia
37, 1.778, 63.233

Deuteranopia
37, 5.789, 331.853



Tritanopia
37, 14.110, 215.806

Trichromacy



Original Color
37, 16.626, 184.303

Protanomaly
37, 6.118, 180.895

Deuteranomaly
37, 4.250, 215.934

Tritanomaly
37, 14.582, 202.491

Monochromacy



Original Color
37, 16.626, 184.303

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 6.725, 187.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 16.626, 184.303 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(52, 95, 89)` looks like.

```
.text, #text, p{  
    color:rgb(52, 95, 89)  
}
```

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(52, 95, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 95, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 16.626, 184.303 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(52, 95, 89) }
```

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

```
.border{ border-color:rgb(52, 95, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 95, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 95, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 95, 89);  
box-shadow:4px 4px 4px 4px rgb(52, 95, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 16.626, 184.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 95, 89) }
```

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

```
.background{ background-color: rgb(52, 95,  
89) }
```

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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