

Converting Colors

CIELCh(37, 17.254, 186.075)

Have a look what the booklet for
CIELCh(37, 17.254, 186.075)
contains.

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Color

CIELCh(37, 17.488, 184.831)

Conversions

Conversions Part 1

Format	Color
Hex	315F59
RGB	49, 95, 89
RGB Percent	19%, 37%, 35%
CMY	0.8082, 0.6278, 0.6513
CMYK	0.48, 0.00, 0.06, 0.63
HSL	172°, 32%, 28%
HSV	172°, 48%, 37%
XYZ	7.1452, 9.5379, 10.8955
YIQ	80.5620, -25.4900, -11.6180

Conversions

Conversions Part 2

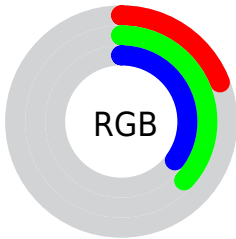
Format	Color
R_{YB}	49, 74, 95
Decimal	3235673
CIE _{Lab}	37.00, -17.43, -1.47
CIE _{LCh}	37, 17.488, 184.831
Yxy	9.5379, 0.2591, 0.3458
Android (android.graphics.Color)	4281425753 (0xFF315F59)
YUV	80.5620, 4.1599, -27.6799
Hunter-Lab	30.8835, -12.7485, 0.7014

Details

The CIELCh color **37, 17.488, 184.831** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 22.220, 14.447**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 17.533, 184.512**, and **17, 16.468, 186.315** is the 20% darker color. If you saturate the color by 10%, you get **37, 20.249, 183.926**, and if you desaturate by 10%, it is **38, 14.365, 185.689**.

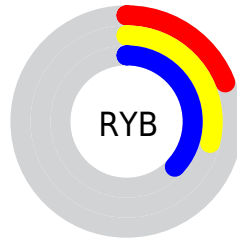
Distribution



 Red (19%)

 Green (37%)

 Blue (35%)




 Red (19%)

 Yellow (29%)

 Blue (37%)

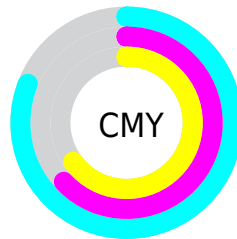



 Cyan (48%)

 Magenta (0%)

 Yellow (6%)

 Black (63%)



 Cyan (81%)


 Magenta (63%)


 Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 17.488, 184.831 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, 17.488, 184.831 by changing the saturation by 10% instead.


 37, 17.488,
184.831


 37, 17.488,
184.831

 100, 17.488,
184.831


 27, 17.488,
184.831

 57, 17.488,
184.831


 17, 17.488,
184.831


 67, 17.488,
184.831

 7, 17.488, 184.831

 77, 17.488,
184.831

 0, 17.488, 184.831

 87, 17.488,
184.831

 97, 17.488,
184.831

■ 37, 17.488,
184.831

■ 37, 17.488,
184.831

■ 37, 20.249,
183.926

■ 38, 14.365,
185.689

■ 36, 22.601,
182.965

■ 38, 10.935,
186.516

■ 36, 24.515,
181.930

■ 39, 7.256, 187.324

■ 36, 25.984,
180.805

■ 40, 3.386, 188.145

■ 40, 0.623, 8.313

■ 36, 27.209,
179.663

■ 41, 4.724, 9.482

■ 36, 27.400,
179.497

■ 42, 8.877, 10.236

■ 43, 13.051, 10.958

■ 44, 17.219, 11.659

Harmonies

Complementary

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



37, 17.488, 184.831



26, 22.220, 14.447

Rectangle

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



37, 17.488, 184.831



37, 17.488, 234.831



37, 17.488, 4.831



37, 17.488, 54.831

Sweetspot

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



37, 17.488, 184.829



50, 7.309, 187.567



36, 32.755, 137.914



25, 4.927, 187.458



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, 17.488, 184.829



47, 24.625, 183.808



32, 14.450, 246.653



20, 2.280, 188.107



42, 30.917, 179.197



85, 54.554, 178.257

Inverse Universe

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



26, 22.220, 14.447



32, 33.278, 16.833



31, 18.429, 56.016



18, 2.371, 9.331



22, 51.671, 31.493



50, 93.699, 34.983

Previews

White Background



This preview shows how the CIELCh color 37, 17.488, 184.831 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, 17.488, 184.831 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, 17.488, 184.831

Background



This preview shows how black text looks on a background with the CIELCh color 37, 17.488, 184.831.



This preview shows how white text looks on a background with the CIELCh color 37, 17.488, 184.831.

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, 17.488, 184.831

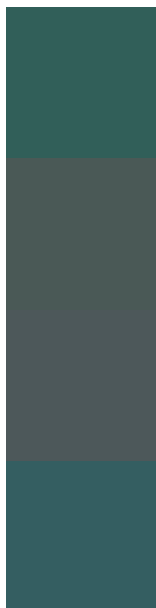
Protanopia
37, 1.778, 63.233

Deuteranopia
37, 5.789, 331.853



Tritanopia
37, 14.754, 217.515

Trichromacy



Original Color
37, 17.488, 184.831

Protanomaly
37, 6.497, 181.895

Deuteranomaly
37, 4.630, 214.453

Tritanomaly
37, 15.123, 204.647

Monochromacy



Original Color
37, 17.488, 184.831

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 6.736, 187.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 17.488, 184.831 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(49, 95, 89)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 95, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 95, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 17.488, 184.831 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(49, 95, 89) }
```

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

```
.border{ border-color:rgb(49, 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(49, 95, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 95, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 95, 89);  
box-shadow:4px 4px 4px 4px rgb(49, 95, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 17.488, 184.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 95, 89) }
```

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

```
.background{ background-color: rgb(49, 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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