

Converting Colors

CIELCh(37, 3.307, 210.406)

Have a look what the booklet for
CIELCh(37, 3.307, 210.406) contains.

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Color

CIELCh(37, 3.348, 209.711)

Conversions

Conversions Part 1

Format	Color
Hex	51595A
RGB	81, 89, 90
RGB Percent	32%, 35%, 35%
CMY	0.6840, 0.6526, 0.6487
CMYK	0.10, 0.01, 0.00, 0.65
HSL	187°, 5%, 33%
HSV	187°, 10%, 35%
XYZ	8.7237, 9.5379, 10.9613
YIQ	86.7220, -5.0890, -1.3850

Conversions

Conversions Part 2

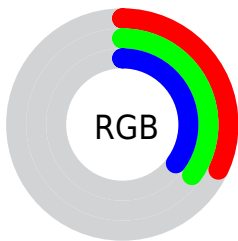
Format	Color
R_{YB}	81, 85, 90
Decimal	5331290
CIE _{Lab}	37.00, -2.91, -1.66
CIE _{LCh}	37, 3.348, 209.711
Yxy	9.5379, 0.2985, 0.3264
Android (android.graphics.Color)	4283521370 (0xFF51595A)
YUV	86.7220, 1.6161, -5.0182
Hunter-Lab	30.8835, -3.6250, 0.5751

Details

The CIELCh color **37, 3.348, 209.711** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 3.555, 29.832**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 3.491, 208.601**, and **17, 3.675, 209.636** is the 20% darker color. If you saturate the color by 10%, you get **36, 6.507, 209.612**, and if you desaturate by 10%, it is **38, 0.015, 230.778**.

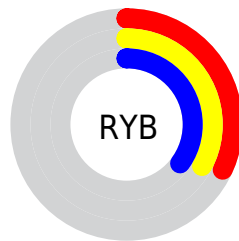
Distribution



Red (32%)

Green (35%)

Blue (35%)



Red (32%)

Yellow (33%)

Blue (35%)

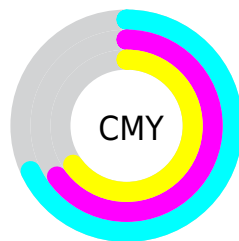


Cyan (10%)

Magenta (1%)

Yellow (0%)

Black (65%)



Cyan (68%)

Magenta (65%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 3.348, 209.711 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, 3.348, 209.711 by changing the saturation by 10% instead.

■ 37, 3.348, 209.711 ■ 37, 3.348, 209.711

■ 100, 3.348,
209.711 ■ 27, 3.348, 209.711

■ 57, 3.348, 209.711 ■ 17, 3.348, 209.711

■ 67, 3.348, 209.711 ■ 7, 3.348, 209.711

■ 77, 3.348, 209.711 ■ 0, 3.348, 209.711

■ 87, 3.348, 209.711

■ 97, 3.348, 209.711

■ 37, 3.348, 209.711 ■ 37, 3.348, 209.711

■ 36, 6.507, 209.612 ■ 38, 0.015, 230.778

35, 9.446, 209.658

39, 3.457, 29.802

34, 12.119,
209.832

40, 7.030, 30.072

33, 14.479,
210.155

42, 10.677, 30.347

43, 14.374, 30.641

33, 16.483,
210.656

44, 18.101, 30.951

32, 18.096,
211.368

45, 21.844, 31.272

47, 25.589, 31.599

31, 19.298,
212.325

48, 29.328, 31.929

31, 20.093,
213.560

30, 20.754,
214.841

Harmonies

Complementary

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



37, 3.348, 209.711



35, 3.555, 29.832

Rectangle

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



37, 3.348, 209.711



37, 3.348, 259.711



37, 3.348, 29.711



37, 3.348, 79.711

Sweetspot

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



37, 3.348, 209.694



49, 1.269, 209.970



37, 6.336, 146.732



24, 0.951, 209.912



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37, 3.348, 209.694



48, 4.968, 209.660



36, 3.644, 266.696



18, 1.912, 209.716



37, 23.868, 215.373



78, 41.879, 216.779

Inverse Universe

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



35, 6.300, 328.119



45, 9.415, 328.251



37, 3.672, 84.207



17, 3.585, 328.051



24, 57.119, 332.951



55, 100.139, 333.296

Previews

White Background



This preview shows how the CIELCh color 37, 3.348, 209.711 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, 3.348, 209.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

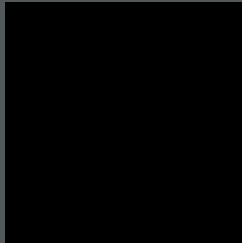
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

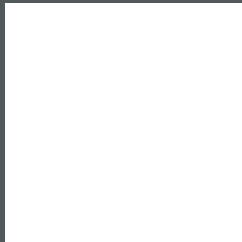
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 3.348, 209.711

Background



This preview shows how black text looks on a background with the CIELCh color 37, 3.348, 209.711.



This preview shows how white text looks on a background with the CIELCh color 37, 3.348, 209.711.

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, 3.348, 209.711

Protanopia

37, 1.512, 324.462

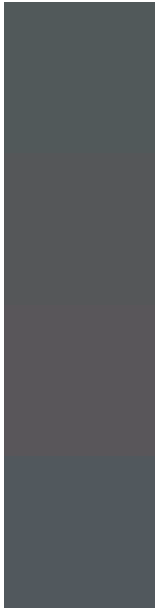
Deuteranopia

37, 5.661, 339.341



Tritanopia
37, 5.108, 257.307

Trichromacy



Original Color

37, 3.348, 209.711

Protanomaly

37, 1.485, 256.070

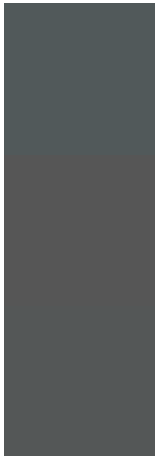
Deuteranomaly

37, 2.795, 317.429

Tritanomaly

37, 4.156, 247.372

Monochromacy



Original Color

37, 3.348, 209.711

Achromatopsia

37, 0.005, 296.813

Achromatomaly

37, 1.264, 199.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 3.348, 209.711 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(81, 89, 90)` looks like.

```
.text, #text, p{  
    color:rgb(81, 89, 90)  
}
```

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(81, 89, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 89, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 3.348, 209.711 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(81, 89, 90) }
```

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

```
.border{ border-color:rgb(81, 89, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 89, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 89, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 89, 90);  
box-shadow:4px 4px 4px 4px rgb(81, 89, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 3.348, 209.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 89, 90) }
```

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

```
.background{ background-color: rgb(81, 89,  
90) }
```

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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