

Converting Colors

CIELCh(37, 3.407, 193.366)

Have a look what the booklet for
CIELCh(37, 3.407, 193.366) contains.

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Color

CIELCh(37, 3.400, 188.547)

Conversions

Conversions Part 1

Format	Color
Hex	515958
RGB	81, 89, 88
RGB Percent	32%, 35%, 35%
CMY	0.6834, 0.6520, 0.6560
CMYK	0.09, 0.00, 0.01, 0.65
HSL	172°, 5%, 33%
HSV	172°, 9%, 35%
XYZ	8.6711, 9.5379, 10.5584
YIQ	86.4940, -4.4470, -2.0070

Conversions

Conversions Part 2

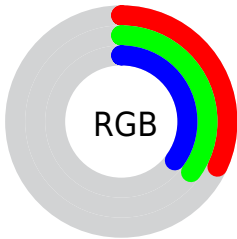
Format	Color
RYB	81, 85, 89
Decimal	5331288
CIELab	37.00, -3.36, -0.51
CIELCh	37, 3.400, 188.547
Yxy	9.5379, 0.3014, 0.3316
Android (android.graphics.Color)	4283521368 (0xFF515958)
YUV	86.4940, 0.7425, -4.8182
Hunter-Lab	30.8835, -3.9291, 1.3485

Details

The CIELCh color $37, 3.400, 188.547$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $35, 3.540, 9.751$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 3.531, 189.870$, and $17, 3.768, 187.983$ is the 20% darker color. If you saturate the color by 10%, you get $36, 7.047, 187.731$, and if you desaturate by 10%, it is $38, 0.379, 8.412$.

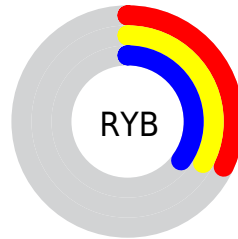
Distribution



Red (32%)

Green (35%)

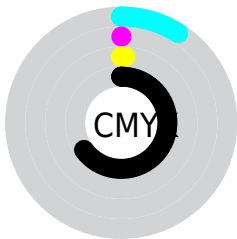
Blue (35%)



Red (32%)

Yellow (33%)

Blue (35%)

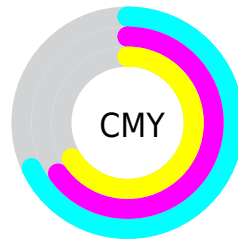


Cyan (9%)

Magenta (0%)

Yellow (1%)

Black (65%)



Cyan (68%)

Magenta (65%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 3.400, 188.547 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, 3.400, 188.547 by changing the saturation by 10% instead.

■ 37, 3.400, 188.547

■ 37, 3.400, 188.547

■ 100, 3.400,
188.547

■ 27, 3.400, 188.547

■ 57, 3.400, 188.547

■ 17, 3.400, 188.547

■ 67, 3.400, 188.547

■ 7, 3.400, 188.547

■ 77, 3.400, 188.547

■ 0, 3.400, 188.547

■ 87, 3.400, 188.547

■ 97, 3.400, 188.547

■ 37, 3.400, 188.547

■ 37, 3.400, 188.547

■ 36, 7.047, 187.731

■ 38, 0.379, 8.412

36, 10.509,
186.940

39, 4.250, 9.847

35, 13.734,
186.131

40, 8.174, 10.595

35, 16.669,
185.294

41, 12.120, 11.308

34, 19.261,
184.417

43, 19.991, 12.681

34, 21.469,
183.486

44, 23.883, 13.343

34, 23.265,
182.487

45, 27.730, 13.990

33, 24.643,
181.403

46, 31.527, 14.621

33, 25.847,
180.330

Harmonies

Complementary

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



37, 3.400, 188.547



35, 3.540, 9.751

Rectangle

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



37, 3.400, 188.547



37, 3.400, 238.547



37, 3.400, 8.547



37, 3.400, 58.547

Sweetspot

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



37, 3.401, 188.534



48, 1.410, 189.138



37, 5.788, 140.380



24, 1.077, 189.048



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, 3.401, 188.534



47, 5.111, 188.340



36, 2.752, 240.744



17, 2.072, 188.556



40, 29.715, 179.887



84, 53.323, 178.916

Inverse Universe

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



35, 3.540, 9.751



44, 5.376, 9.971



36, 2.854, 58.979



16, 2.154, 9.726



21, 49.891, 31.304



49, 92.436, 35.220

Previews

White Background



This preview shows how the CIELCh color 37, 3.400, 188.547 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, 3.400, 188.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

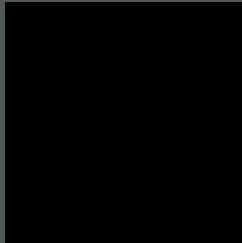
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

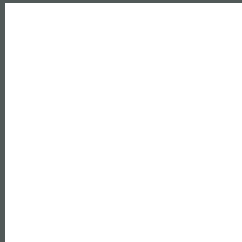
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 3.400, 188.547

Background



This preview shows how black text looks on a background with the CIELCh color 37, 3.400, 188.547.



This preview shows how white text looks on a background with the CIELCh color 37, 3.400, 188.547.

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, 3.400, 188.547

Protanopia

37, 1.047, 55.193

Deuteranopia

37, 5.640, 347.075



Tritanopia
37, 4.909, 261.241

Trichromacy



Original Color

37, 3.400, 188.547

Protanomaly

37, 1.051, 163.695

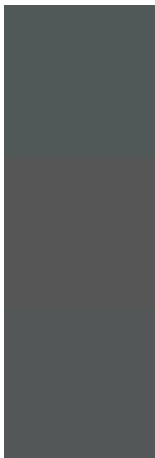
Deuteranomaly

37, 2.528, 332.531

Tritanomaly

37, 3.451, 245.092

Monochromacy



Original Color

37, 3.400, 188.547

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, 3.400, 188.547 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(81, 89, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 89, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 3.400, 188.547 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, 88) }
```

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

```
.border{ border-color:rgb(81, 89, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 89, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 89, 88);  
box-shadow:4px 4px 4px 4px rgb(81, 89, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 3.400, 188.547 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, 88) }
```

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

```
.background{ background-color: rgb(81, 89,  
88) }
```

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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