

Converting Colors

CIELCh(37, 58.577, 311.369)

Have a look what the booklet for
CIELCh(37, 58.577, 311.369)
contains.

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Color

CIELCh(37, 58.577, 311.369)

Conversions

Conversions Part 1

Format	Color
Hex	6E419F
RGB	110, 65, 159
RGB Percent	43%, 25%, 62%
CMY	0.5698, 0.7462, 0.3777
CMYK	0.31, 0.59, 0.00, 0.38
HSL	269°, 42%, 44%
HSV	269°, 59%, 62%
XYZ	14.4995, 9.5379, 33.7399
YIQ	89.1710, -3.3540, 38.7740

Conversions

Conversions Part 2

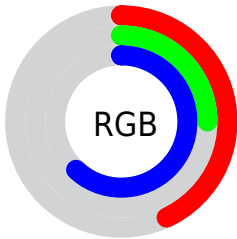
Format	Color
R _Y B	110, 65, 159
Decimal	7225759
CIE Lab	37.00, 38.71, -43.96
CIE LCh	37, 58.577, 311.369
Yxy	9.5379, 0.2510, 0.1651
Android (android.graphics.Color)	4285415839 (0xFF6E419F)
YUV	89.1710, 34.4257, 18.2670
Hunter-Lab	30.8835, 29.7578, -43.1552

Details

The CIELCh color $37, 58.577, 311.369$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $60, 53.400, 125.720$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 58.301, 311.255$, and $17, 58.589, 311.187$ is the 20% darker color. If you saturate the color by 10%, you get $33, 67.998, 311.787$, and if you desaturate by 10%, it is $41, 48.599, 310.851$.

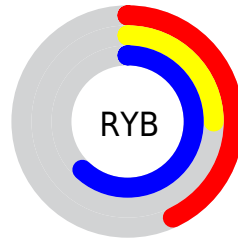
Distribution



Red (43%)

Green (25%)

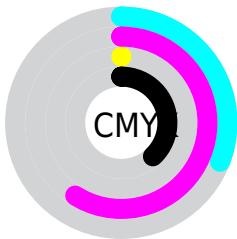
Blue (62%)



Red (43%)

Yellow (25%)

Blue (62%)

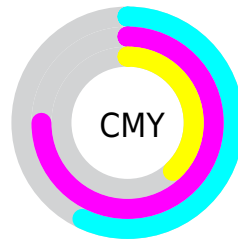


Cyan (31%)

Magenta (59%)

Yellow (0%)

Black (38%)



Cyan (57%)


Magenta (75%)


Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 58.577, 311.369 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, 58.577, 311.369 by changing the saturation by 10% instead.

 37, 58.577,
311.369

 37, 58.577,
311.369

 100, 58.577,
311.369

 27, 58.577,
311.369

 57, 58.577,
311.369

 17, 58.577,
311.369


 67, 58.577,
311.369

 7, 58.577, 311.369

 77, 58.577,
311.369

 0, 58.577, 311.369

 87, 58.577,
311.369

 97, 58.577,
311.369

■ 37, 58.577,
311.369

■ 37, 58.577,
311.369

■ 33, 67.998,
311.787

■ 41, 48.599,
310.851

■ 29, 76.315,
312.014

■ 46, 38.439,
310.295

■ 26, 82.841,
311.939

■ 51, 28.325,
309.741

■ 24, 87.465,
311.573

■ 56, 18.387,
309.212

■ 24, 87.831,
311.552

■ 61, 8.693, 308.718

■ 66, 0.724, 128.413

■ 71, 9.856, 127.895

■ 76, 18.704,
127.536

■ 81, 27.276,
127.223

Harmonies

Complementary

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



37, 58.577, 311.369



60, 53.400, 125.720

Rectangle

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



37, 58.577, 311.369



37, 58.577, 1.369



37, 58.577, 131.369



37, 58.577, 181.369

Sweetspot

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



37, 58.576, 311.369



72, 21.326, 309.168



47, 28.933, 263.472



37, 14.994, 309.310



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



37, 58.576, 311.369



42, 86.060, 311.884



43, 60.955, 326.339



31, 5.320, 308.719



21, 81.221, 311.654



1, 6.841, 307.440

Inverse Universe

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



42, 45.231, 348.959



50, 64.011, 351.418



58, 61.316, 138.863



31, 4.363, 343.208



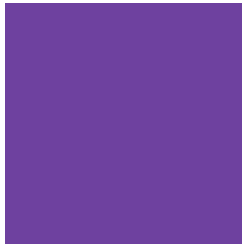
30, 55.390, 359.073



1, 5.545, 343.942

Previews

White Background



This preview shows how the CIELCh color 37, 58.577, 311.369 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 CIELCh color 37, 58.577, 311.369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

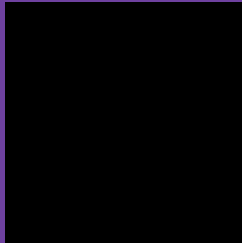
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 58.577, 311.369

Background



This preview shows how black text looks on a background with the CIELCh color 37, 58.577, 311.369.




This preview shows how white text looks on a background with the CIELCh color 37, 58.577, 311.369.

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





Tritanopia
37, 6.686, 346.837

Trichromacy



Original Color
37, 58.577, 311.369

Protanomaly
36, 58.755, 291.705

Deuteranomaly
36, 47.027, 290.664

Tritanomaly
37, 25.457, 315.738

Monochromacy



Original Color
37, 58.577, 311.369

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 22.122, 310.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 58.577, 311.369 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(110, 65, 159)` looks like.

```
.text, #text, p{  
    color:rgb(110, 65, 159)  
}
```

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(110, 65, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 65, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 58.577, 311.369 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(110, 65, 159) }
```

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

```
.border{ border-color:rgb(110, 65, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 65, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 65, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 65, 159);  
box-shadow:4px 4px 4px 4px rgb(110, 65,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 58.577, 311.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 65, 159) }
```

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

```
.background{ background-color: rgb(110, 65,  
159) }
```

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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