

Converting Colors

CIELCh(37, 51.163, 311.945)

Have a look what the booklet for
CIELCh(37, 51.163, 311.945)
contains.

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Color

CIELCh(37, 51.163, 311.945)

Conversions

Conversions Part 1

Format	Color
Hex	6D4495
RGB	109, 68, 149
RGB Percent	43%, 27%, 58%
CMY	0.5729, 0.7336, 0.4160
CMYK	0.27, 0.54, 0.00, 0.42
HSL	270°, 37%, 43%
HSV	270°, 54%, 58%
XYZ	13.7766, 9.5379, 29.5129
YIQ	89.4930, -1.5650, 33.8830

Conversions

Conversions Part 2

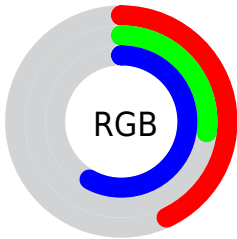
Format	Color
R _Y B	109, 68, 149
Decimal	7160981
CIE Lab	37.00, 34.20, -38.05
CIE LCh	37, 51.163, 311.945
Yxy	9.5379, 0.2608, 0.1805
Android (android.graphics.Color)	4285351061 (0xFF6D4495)
YUV	89.4930, 29.3370, 17.1076
Hunter-Lab	30.8835, 25.5798, -35.0402

Details

The CIELCh color **37, 51.163, 311.945** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **57, 47.336, 126.865**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 51.127, 311.924**, and **17, 51.504, 311.995** is the 20% darker color. If you saturate the color by 10%, you get **33, 60.356, 312.376**, and if you desaturate by 10%, it is **41, 41.603, 311.443**.

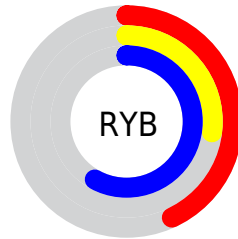
Distribution



Red (43%)

Green (27%)

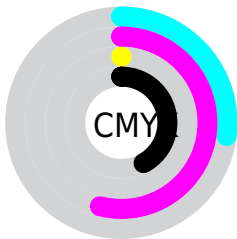
Blue (58%)



Red (43%)

Yellow (27%)

Blue (58%)

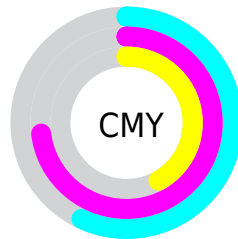


Cyan (27%)

Magenta (54%)

Yellow (0%)

Black (42%)



Cyan (57%)


Magenta (73%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 51.163, 311.945 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, 51.163, 311.945 by changing the saturation by 10% instead.


 37, 51.163,
311.945


 37, 51.163,
311.945

 100, 51.163,
311.945

 27, 51.163,
311.945

 57, 51.163,
311.945


 17, 51.163,
311.945


 67, 51.163,
311.945

 7, 51.163, 311.945

 77, 51.163,
311.945

 0, 51.163, 311.945

 87, 51.163,
311.945

 97, 51.163,
311.945

37, 51.163,
311.945

37, 51.163,
311.945

33, 60.356,
312.376

41, 41.603,
311.443

29, 68.752,
312.663

46, 31.963,
310.919

26, 75.775,
312.711

50, 22.414,
310.402

24, 80.829,
312.418

55, 13.052,
309.912

23, 83.292,
312.229

60, 3.928, 309.443

64, 4.935, 129.078

69, 13.531,
128.698

74, 21.864,
128.368

■ 78, 29.943,
128.079

Harmonies

Complementary

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



37, 51.163, 311.945



57, 47.336, 126.865

Rectangle

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



37, 51.163, 311.945



37, 51.163, 1.945



37, 51.163, 131.945



37, 51.163, 181.945

Sweetspot

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



37, 51.162, 311.945



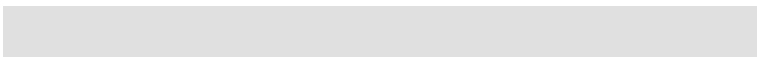
69, 18.040, 310.004



45, 26.493, 265.786



35, 12.174, 310.093



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



37, 51.162, 311.945



43, 75.395, 312.445



42, 54.201, 327.167



29, 5.061, 309.668



21, 78.616, 312.309



1, 4.374, 309.280

Inverse Universe

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



41, 39.356, 349.872



48, 56.473, 351.982



55, 54.571, 140.019



29, 4.051, 344.684



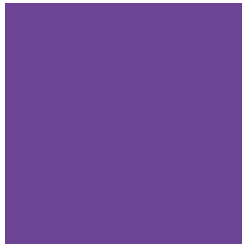
29, 53.649, 1.451



1, 3.504, 343.978

Previews

White Background



This preview shows how the CIELCh color 37, 51.163, 311.945 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, 51.163, 311.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

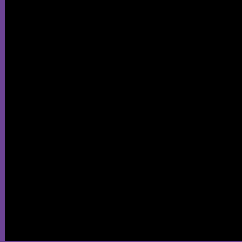
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 51.163, 311.945

Background



This preview shows how black text looks on a background with the CIELCh color 37, 51.163, 311.945.



This preview shows how white text looks on a background with the CIELCh color 37, 51.163, 311.945.

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, 51.163, 311.945

Protanopia

37, 50.045, 286.680

Deuteranopia

37, 35.936, 279.013



Tritanopia
37, 7.743, 346.716

Trichromacy



Original Color
37, 51.163, 311.945

Protanomaly
37, 49.897, 293.957

Deuteranomaly
37, 40.162, 292.109

Tritanomaly
37, 22.528, 317.797

Monochromacy



Original Color
37, 51.163, 311.945

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 19.547, 310.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 51.163, 311.945 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(109, 68, 149)` looks like.

```
.text, #text, p{  
    color:rgb(109, 68, 149)  
}
```

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(109, 68, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 68, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 51.163, 311.945 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(109, 68, 149) }
```

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

```
.border{ border-color:rgb(109, 68, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 68, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 68, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 68, 149);  
box-shadow:4px 4px 4px 4px rgb(109, 68,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 51.163, 311.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 68, 149) }
```

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

```
.background{ background-color: rgb(109, 68,  
149) }
```

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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