

Converting Colors

CIELCh(37, 109.999, 305.156)

Have a look what the booklet for
CIELCh(37, 109.999, 305.156)
contains.

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Color

CIELCh(37, 109.894, 305.164)

Conversions

Conversions Part 1

Format	Color
Hex	4630ED
RGB	70, 48, 237
RGB Percent	27%, 19%, 93%
CMY	0.7252, 0.8116, 0.0704
CMYK	0.70, 0.80, 0.00, 0.07
HSL	247°, 84%, 56%
HSV	247°, 80%, 93%
XYZ	18.8803, 9.5379, 80.9985
YIQ	76.1240, -47.5570, 63.4430

Conversions

Conversions Part 2

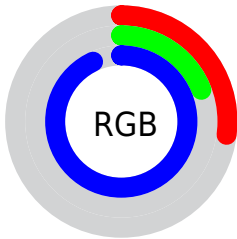
Format	Color
R_{YB}	70, 48, 237
Decimal	4600045
CIE _{Lab}	37.00, 63.29, -89.84
CIE _{LCh}	37, 109.894, 305.164
Yxy	9.5379, 0.1726, 0.0872
Android (android.graphics.Color)	4282790125 (0xFF4630ED)
YUV	76.1240, 79.3119, -5.3707
Hunter-Lab	30.8835, 55.0778, -133.8820

Details

The CIELCh color **37, 109.894, 305.164** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **90, 85.376, 109.582**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 88.439, 305.759**, and **21, 102.604, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 120.024, 306.182**, and if you desaturate by 10%, it is **43, 96.676, 303.707**.

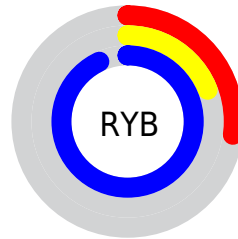
Distribution



Red (27%)

Green (19%)

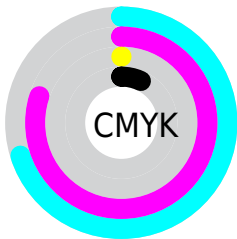
Blue (93%)



Red (27%)

Yellow (19%)

Blue (93%)

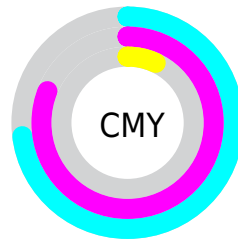


Cyan (70%)

Magenta (80%)

Yellow (0%)

Black (7%)



Cyan (73%)


Magenta (81%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 109.894, 305.164 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, 109.894, 305.164 by changing the saturation by 10% instead.


 37, 109.894,
305.164


 37, 109.894,
305.164


 100, 109.894,
305.164


 27, 109.894,
305.164


 57, 109.894,
305.164


 17, 109.894,
305.164


 67, 109.894,
305.164

 7, 109.894,
305.164

 77, 109.894,
305.164

 0, 109.894,
305.164

 87, 109.894,
305.164

 97, 109.894,
305.164

■ 37, 109.894,
305.164

■ 37, 109.894,
305.164

■ 33, 120.024,
306.182

■ 43, 96.676,
303.707

■ 30, 125.796,
306.617

■ 49, 82.109,
302.081

■ 30, 125.923,
306.628

■ 56, 67.288,
300.479

■ 64, 52.740,
299.003

■ 71, 38.675,
297.693

■ 79, 25.151,
296.555

■ 86, 12.164,
295.575

■ 94, 0.312, 114.662

100, 9.090,
109.488

Harmonies

Complementary

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



37, 109.894, 305.164



90, 85.376, 109.582

Rectangle

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



37, 109.894, 305.164



37, 109.894, 355.164



37, 109.894, 125.164



37, 109.894, 175.164

Sweetspot

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



37, 109.895, 305.165



81, 32.739, 297.030



80, 40.726, 211.331



40, 22.656, 297.444



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



37, 109.895, 305.165



34, 131.224, 306.492



47, 104.263, 315.256



45, 7.035, 295.551



22, 102.784, 306.703



3, 36.001, 300.499

Inverse Universe

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



57, 94.491, 332.447



59, 104.989, 333.378



85, 96.233, 129.669



46, 7.807, 328.310



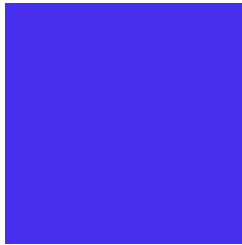
42, 81.571, 333.484



9, 35.398, 332.630

Previews

White Background



This preview shows how the CIELCh color 37, 109.894, 305.164 looks on a white background.

Color Contrast Check

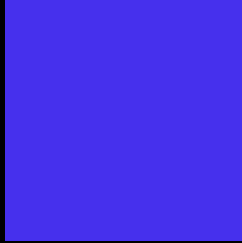
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.894, 305.164 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, 109.894, 305.164

Background



This preview shows how black text looks on a background with the CIELCh color 37, 109.894, 305.164.



This preview shows how white text looks on a background with the CIELCh color 37, 109.894, 305.164.

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, 109.894, 305.164

Protanopia

37, 57.074, 286.307

Deuteranopia

37, 39.149, 271.787



Tritanopia
37, 23.770, 205.697

Trichromacy



Original Color
37, 109.894, 305.164

Protanomaly
35, 78.433, 296.448

Deuteranomaly
35, 66.181, 292.880

Tritanomaly
34, 45.555, 283.079

Monochromacy



Original Color
37, 109.894, 305.164

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 43.656, 300.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 109.894, 305.164 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(70, 48, 237)` looks like.

```
.text, #text, p{  
    color:rgb(70, 48, 237)  
}
```

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(70, 48, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 48, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 109.894, 305.164 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(70, 48, 237) }
```

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

```
.border{ border-color:rgb(70, 48, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 48, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 48, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 48, 237);  
box-shadow:4px 4px 4px 4px rgb(70, 48,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 109.894, 305.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 48, 237) }
```

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

```
.background{ background-color: rgb(70, 48,  
237) }
```

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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