

Converting Colors

CIELCh(37, 85.635, 301.610)

Have a look what the booklet for
CIELCh(37, 85.635, 301.610)
contains.

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Color

CIELCh(37, 85.604, 301.717)

Conversions

Conversions Part 1

Format	Color
Hex	4341CF
RGB	67, 65, 207
RGB Percent	26%, 25%, 81%
CMY	0.7357, 0.7441, 0.1870
CMYK	0.67, 0.69, 0.00, 0.19
HSL	241°, 60%, 53%
HSV	241°, 69%, 81%
XYZ	15.5480, 9.5379, 60.2532
YIQ	81.7860, -44.3900, 44.5860

Conversions

Conversions Part 2

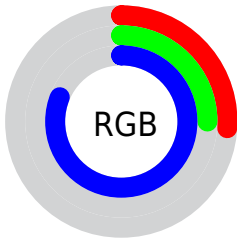
Format	Color
R _{YB}	67, 65, 207
Decimal	4407759
CIE _{Lab}	37.00, 45.00, -72.82
CIE _{LCh}	37, 85.604, 301.717
Yxy	9.5379, 0.1822, 0.1118
Android (android.graphics.Color)	4282597839 (0xFF4341CF)
YUV	81.7860, 61.7305, -12.9673
Hunter-Lab	30.8835, 35.8176, -94.0552

Details

The CIELCh color **37, 85.604, 301.717** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **81, 69.001, 104.798**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 80.137, 301.664**, and **19, 83.401, 303.983** is the 20% darker color. If you saturate the color by 10%, you get **32, 98.074, 303.733**, and if you desaturate by 10%, it is **43, 72.172, 299.585**.

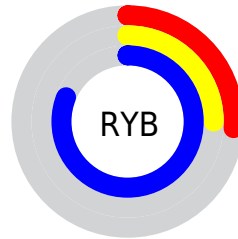
Distribution



Red (26%)

Green (25%)

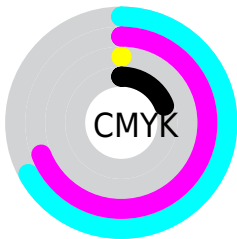
Blue (81%)



Red (26%)

Yellow (25%)

Blue (81%)

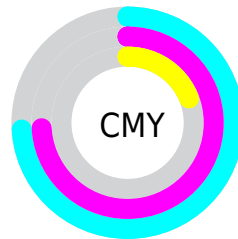


Cyan (67%)

Magenta (69%)

Yellow (0%)

Black (19%)



Cyan (74%)


Magenta (74%)


Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 85.604, 301.717 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, 85.604, 301.717 by changing the saturation by 10% instead.


 37, 85.604,
301.717


 37, 85.604,
301.717

 100, 85.604,
301.717

 27, 85.604,
301.717

 57, 85.604,
301.717


 17, 85.604,
301.717


 67, 85.604,
301.717

 7, 85.604, 301.717

 77, 85.604,
301.717

 0, 85.604, 301.717

 87, 85.604,
301.717

 97, 85.604,
301.717

■ 37, 85.604,
301.717

■ 37, 85.604,
301.717

■ 32, 98.074,
303.733

■ 43, 72.172,
299.585

■ 28, 107.929,
305.307

■ 50, 58.721,
297.552

■ 26, 113.694,
306.210

■ 57, 45.650,
295.726

■ 25, 114.404,
306.326


■ 63, 33.086,
294.138

■ 70, 21.041,
292.779

■ 77, 9.491, 291.626

■ 84, 1.601, 110.602

■ 91, 12.269,
109.801

 98, 22.545,
109.093

Harmonies

Complementary

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



37, 85.604, 301.717



81, 69.001, 104.798

Rectangle

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



37, 85.604, 301.717



37, 85.604, 351.717



37, 85.604, 121.717



37, 85.604, 171.717

Sweetspot

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



37, 85.605, 301.718



83, 28.379, 293.128



76, 38.214, 196.700



42, 19.321, 293.502



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, 85.605, 301.718



38, 120.297, 304.511



44, 83.562, 312.396



40, 6.373, 291.721



19, 97.947, 306.337



1, 25.565, 293.600

Inverse Universe

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



54, 83.637, 328.208



62, 108.719, 328.595



76, 75.314, 126.308



41, 7.615, 325.342



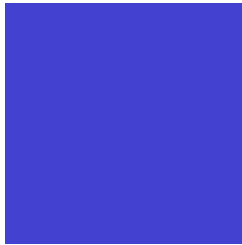
40, 83.670, 328.838



6, 30.759, 328.312

Previews

White Background



This preview shows how the CIELCh color 37, 85.604, 301.717 looks on a white background.

Color Contrast Check

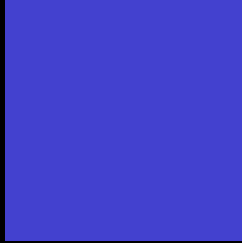
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.604, 301.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

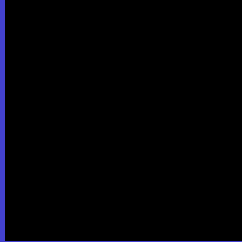
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 85.604, 301.717

Background



This preview shows how black text looks on a background with the CIELCh color 37, 85.604, 301.717.



This preview shows how white text looks on a background with the CIELCh color 37, 85.604, 301.717.

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, 85.604, 301.717

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 40.195, 272.926



Tritanopia
37, 23.702, 207.296

Trichromacy



Original Color
37, 85.604, 301.717

Protanomaly
36, 67.627, 292.690

Deuteranomaly
36, 56.470, 288.288

Tritanomaly
35, 36.443, 273.603

Monochromacy



Original Color
37, 85.604, 301.717

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 32.522, 295.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 85.604, 301.717 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(67, 65, 207)` looks like.

```
.text, #text, p{  
    color:rgb(67, 65, 207)  
}
```

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(67, 65, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 65, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 85.604, 301.717 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(67, 65, 207) }
```

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

```
.border{ border-color:rgb(67, 65, 207) }
```

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

Here you see how a box with a 4 pixel rgb(67, 65, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 65, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 65, 207);  
box-shadow:4px 4px 4px 4px rgb(67, 65,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 85.604, 301.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 65, 207) }
```

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

```
.background{ background-color: rgb(67, 65,  
207) }
```

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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