

Converting Colors

CIELCh(37, 88.967, 301.446)

Have a look what the booklet for
CIELCh(37, 88.967, 301.446)
contains.

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Color

CIELCh(37, 88.998, 301.355)

Conversions

Conversions Part 1

Format	Color
Hex	3D41D5
RGB	61, 65, 213
RGB Percent	24%, 25%, 84%
CMY	0.7619, 0.7458, 0.1655
CMYK	0.71, 0.70, 0.00, 0.17
HSL	238°, 64%, 54%
HSV	238°, 71%, 83%
XYZ	15.7716, 9.5379, 63.8235
YIQ	80.6760, -49.8920, 45.1800

Conversions

Conversions Part 2

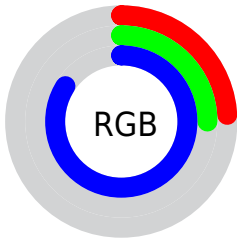
Format	Color
R _Y B	61, 65, 213
Decimal	4014549
CIE Lab	37.00, 46.31, -76.00
CIE LCh	37, 88.998, 301.355
Yxy	9.5379, 0.1769, 0.1070
Android (android.graphics.Color)	4282204629 (0xFF3D41D5)
YUV	80.6760, 65.2357, -17.2559
Hunter-Lab	30.8835, 37.1104, -100.9096

Details

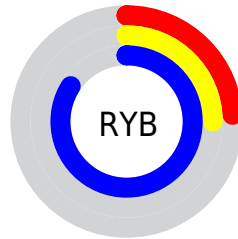
The CIELCh color **37, 88.998, 301.355** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **82, 71.147, 102.448**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 80.162, 301.148**, and **20, 86.372, 304.169** is the 20% darker color. If you saturate the color by 10%, you get **32, 101.296, 303.517**, and if you desaturate by 10%, it is **43, 75.609, 299.044**.

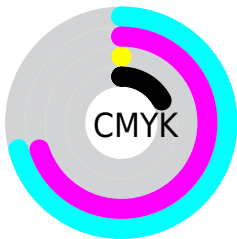
Distribution



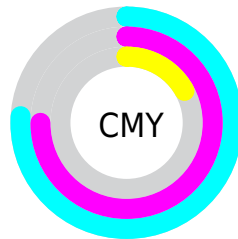
- Red (24%)
- Green (25%)
- Blue (84%)



- Red (24%)
- Yellow (25%)
- Blue (84%)



- Cyan (71%)
- Magenta (70%)
- Yellow (0%)
- Black (17%)





- Cyan (76%)
- Magenta (75%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 88.998, 301.355 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, 88.998, 301.355 by changing the saturation by 10% instead.


 37, 88.998,
301.355

 37, 88.998,
301.355

 100, 88.998,
301.355

 27, 88.998,
301.355

 57, 88.998,
301.355


 17, 88.998,
301.355

 67, 88.998,
301.355

 7, 88.998, 301.355

 77, 88.998,
301.355

 0, 88.998, 301.355

 87, 88.998,
301.355

 97, 88.998,
301.355

■ 37, 88.998,
301.355

■ 37, 88.998,
301.355

■ 32, 101.296,
303.517

■ 43, 75.609,
299.044

■ 28, 110.801,
305.192

■ 50, 62.141,
296.825

■ 27, 115.585,
306.015

■ 56, 49.036,
294.822


■ 63, 36.432,
293.076

■ 70, 24.345,
291.582

■ 77, 12.748,
290.313

■ 84, 1.605, 289.277

■ 91, 9.120, 108.303

 98, 19.456,
107.525

Harmonies

Complementary

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



37, 88.998, 301.355



82, 71.147, 102.448

Rectangle

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



37, 88.998, 301.355



37, 88.998, 351.355



37, 88.998, 121.355



37, 88.998, 171.355

Sweetspot

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



37, 88.999, 301.356



83, 27.572, 291.548



78, 40.559, 192.685



42, 18.768, 291.939



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, 88.999, 301.356



36, 122.565, 304.508



43, 88.710, 311.584



41, 6.321, 290.080



20, 97.842, 305.930



2, 27.056, 293.448

Inverse Universe

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



49, 67.704, 29.210



55, 93.780, 35.026



78, 78.690, 125.123



42, 4.549, 17.743



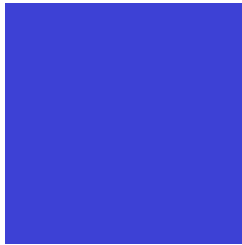
35, 76.206, 38.794



5, 21.979, 18.564

Previews

White Background



This preview shows how the CIE LCh color 37, 88.998, 301.355 looks on a white background.

Color Contrast Check

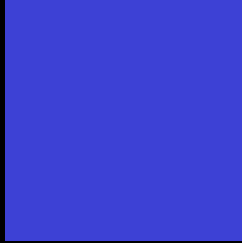
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.998, 301.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

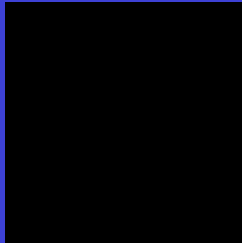
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 88.998, 301.355

Background



This preview shows how black text looks on a background with the CIELCh color 37, 88.998, 301.355.



This preview shows how white text looks on a background with the CIELCh color 37, 88.998, 301.355.

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, 88.998, 301.355

Protanopia

37, 57.643, 286.569

Deuteranopia

37, 39.670, 272.364



Tritanopia
37, 23.770, 205.697

Trichromacy



Original Color
37, 88.998, 301.355

Protanomaly
36, 69.459, 293.188

Deuteranomaly
36, 57.663, 288.502

Tritanomaly
35, 37.080, 273.687

Monochromacy



Original Color
37, 88.998, 301.355

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 33.883, 295.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 88.998, 301.355 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(61, 65, 213)` looks like.

```
.text, #text, p{  
    color:rgb(61, 65, 213)  
}
```

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(61, 65, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 65, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 88.998, 301.355 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(61, 65, 213) }
```

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

```
.border{ border-color:rgb(61, 65, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 65, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 65, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 65, 213);  
box-shadow:4px 4px 4px 4px rgb(61, 65,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 88.998, 301.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 65, 213) }
```

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

```
.background{ background-color: rgb(61, 65,  
213) }
```

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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