

Converting Colors

CIELCh(37, 77.142, 298.433)

Have a look what the booklet for
CIELCh(37, 77.142, 298.433)
contains.

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Color

CIELCh(37, 77.142, 298.433)

Conversions

Conversions Part 1

Format	Color
Hex	3848C7
RGB	56, 72, 199
RGB Percent	22%, 28%, 78%
CMY	0.7821, 0.7187, 0.2209
CMYK	0.72, 0.64, 0.00, 0.22
HSL	233°, 56%, 50%
HSV	233°, 72%, 78%
XYZ	14.1788, 9.5379, 54.9326
YIQ	81.6940, -50.3030, 36.1050

Conversions

Conversions Part 2

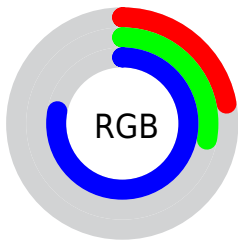
Format	Color
R_{YB}	56, 70, 199
Decimal	3688647
CIE _{Lab}	37.00, 36.73, -67.84
CIE _{LCh}	37, 77.142, 298.433
Yxy	9.5379, 0.1803, 0.1213
Android (android.graphics.Color)	4281878727 (0xFF3848C7)
YUV	81.6940, 57.8319, -22.5336
Hunter-Lab	30.8835, 27.9044, -83.8409

Details

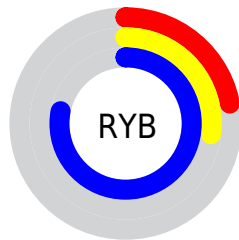
The CIELCh color **37, 77.142, 298.433** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **74, 63.523, 97.504**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 75.936, 298.298**, and **20, 75.025, 301.860** is the 20% darker color. If you saturate the color by 10%, you get **32, 88.624, 301.035**, and if you desaturate by 10%, it is **43, 65.368, 295.847**.

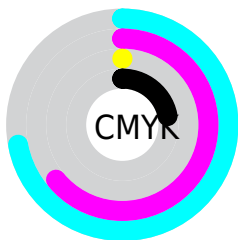
Distribution



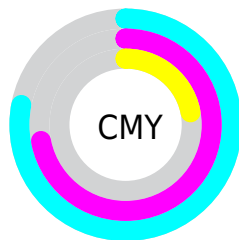
- Red (22%)
- Green (28%)
- Blue (78%)



- Red (22%)
- Yellow (27%)
- Blue (78%)



- Cyan (72%)
- Magenta (64%)
- Yellow (0%)
- Black (22%)



- Cyan (78%)
- Magenta (72%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 77.142, 298.433 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, 77.142, 298.433 by changing the saturation by 10% instead.

 37, 77.142,
298.433

 37, 77.142,
298.433


 100, 77.142,
298.433

 27, 77.142,
298.433

 57, 77.142,
298.433

 17, 77.142,
298.433

 67, 77.142,
298.433

 7, 77.142, 298.433

 77, 77.142,
298.433

 0, 77.142, 298.433

 87, 77.142,
298.433

 97, 77.142,
298.433

■ 37, 77.142,
298.433

■ 37, 77.142,
298.433

■ 32, 88.624,
301.035

■ 43, 65.368,
295.847

■ 28, 98.811,
303.374

■ 48, 53.800,
293.449

■ 26, 105.117,
304.797

■ 54, 42.620,
291.318

■ 60, 31.865,
289.472

■ 67, 21.518,
287.890

■ 73, 11.547,
286.543

■ 79, 1.923, 285.439

■ 85, 7.381, 104.378

■ 91, 16.385,
103.538

Harmonies

Complementary

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



37, 77.142, 298.433



74, 63.523, 97.504

Rectangle

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



37, 77.142, 298.433



37, 77.142, 348.433



37, 77.142, 118.433



37, 77.142, 168.433

Sweetspot

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



37, 77.142, 298.434



84, 26.328, 287.933



73, 41.026, 183.473



42, 17.779, 288.345



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, 77.142, 298.434



39, 113.686, 302.314



38, 84.961, 309.476



39, 5.424, 286.223



20, 90.038, 304.545



2, 19.808, 288.710

Inverse Universe

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



46, 61.987, 23.241



55, 88.988, 29.697



74, 73.248, 121.926



39, 4.318, 10.823



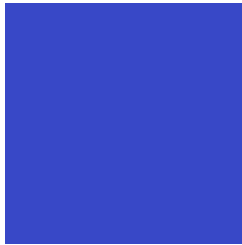
34, 70.095, 34.699



3, 15.990, 13.568

Previews

White Background



This preview shows how the CIE LCh color 37, 77.142, 298.433 looks on a white background.

Color Contrast Check

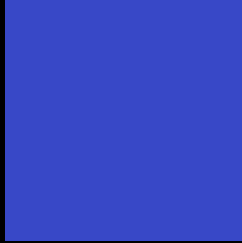
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.142, 298.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

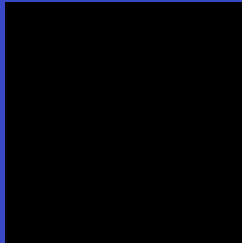
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 77.142, 298.433

Background



This preview shows how black text looks on a background with the CIELCh color 37, 77.142, 298.433.



This preview shows how white text looks on a background with the CIELCh color 37, 77.142, 298.433.

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



Trichromacy



Original Color
37, 77.142, 298.433

Deuteranomaly
36, 52.892, 285.482

Tritanomaly
36, 34.015, 268.800

Monochromacy



Original Color
37, 77.142, 298.433

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 28.761, 290.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 77.142, 298.433 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(56, 72, 199)` looks like.

```
.text, #text, p{  
    color:rgb(56, 72, 199)  
}
```

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(56, 72, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 72, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 77.142, 298.433 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(56, 72, 199) }
```

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

```
.border{ border-color:rgb(56, 72, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 72, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 72, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 72, 199);  
box-shadow:4px 4px 4px 4px rgb(56, 72,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 77.142, 298.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 72, 199) }
```

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

```
.background{ background-color: rgb(56, 72,  
199) }
```

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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