

Converting Colors

CIELCh(37, 74.511, 293.329)

Have a look what the booklet for
CIELCh(37, 74.511, 293.329)
contains.

CIELCh(37, 74.511, 293.329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 74.511, 293.329)

Conversions

Conversions Part 1

Format	Color
Hex	004EC8
RGB	0, 78, 200
RGB Percent	0%, 31%, 78%
CMY	1.0000, 0.6955, 0.2173
CMYK	1.00, 0.61, 0.00, 0.22
HSL	217°, 100%, 39%
HSV	217°, 100%, 78%
XYZ	13.0516, 9.5379, 55.5380
YIQ	68.5860, -85.6500, 21.4060

Conversions

Conversions Part 2

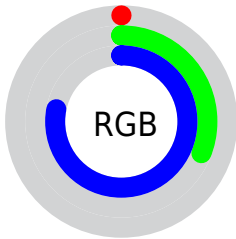
Format	Color
RYB	0, 56, 200
Decimal	20168
CIELab	37.00, 29.51, -68.42
CIELCh	37, 74.511, 293.329
Yxy	9.5379, 0.1671, 0.1221
Android (android.graphics.Color)	4278210248 (0xFF004EC8)
YUV	68.5860, 64.7871, -60.1499
Hunter-Lab	30.8835, 21.3890, -85.0030

Details

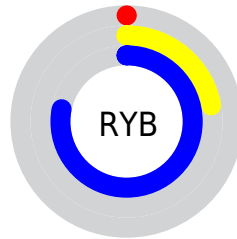
The CIELCh color **37, 74.511, 293.329** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **58, 68.767, 70.214**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 73.206, 293.153**, and **21, 71.888, 300.368** is the 20% darker color. If you saturate the color by 10%, you get **37, 74.500, 293.384**, and if you desaturate by 10%, it is **41, 66.443, 289.544**.

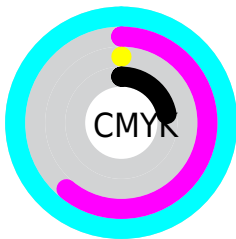
Distribution



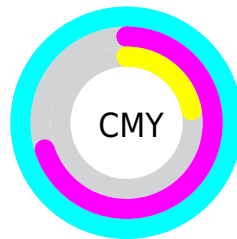
- Red (0%)
- Green (31%)
- Blue (78%)



- Red (0%)
- Yellow (22%)
- Blue (78%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (70%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 74.511, 293.329 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, 74.511, 293.329 by changing the saturation by 10% instead.


 37, 74.511,
293.329

 37, 74.511,
293.329

 100, 74.511,
293.329

 27, 74.511,
293.329

 57, 74.511,
293.329


 17, 74.511,
293.329


 67, 74.511,
293.329

 7, 74.511, 293.329

 77, 74.511,
293.329

 0, 74.511, 293.329

 87, 74.511,
293.329

 97, 74.511,
293.329

■ 37, 74.511,
293.329

■ 37, 74.511,
293.329

■ 37, 74.500,
293.384

■ 41, 66.443,
289.544

■ 44, 58.540,
285.647

■ 49, 50.838,
281.983

■ 53, 43.315,
278.675

■ 57, 35.924,
275.772

■ 62, 28.623,
273.269

■ 66, 21.387,
271.131

■ 71, 14.205,

269.313

■ 76, 7.077, 267.775

Harmonies

Complementary

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



37, 74.511, 293.329



58, 68.767, 70.214

Rectangle

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



37, 74.511, 293.329



37, 74.511, 343.329



37, 74.511, 113.329



37, 74.511, 163.329

Sweetspot

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



37, 74.500, 293.384



83, 26.098, 271.217



71, 66.493, 154.644



42, 17.834, 272.096



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, 74.500, 293.384



47, 90.993, 293.970



25, 110.709, 306.596



40, 4.001, 267.689



30, 63.170, 292.782



4, 15.804, 278.103

Inverse Universe

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



42, 70.715, 13.037



54, 85.227, 13.894



77, 81.160, 108.993



39, 4.848, 350.889



34, 60.792, 12.179



4, 16.977, 359.501

Previews

White Background



This preview shows how the CIE LCh color 37, 74.511, 293.329 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, 74.511, 293.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

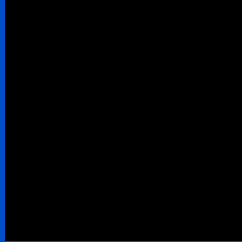
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 74.511, 293.329

Background



This preview shows how black text looks on a background with the CIELCh color 37, 74.511, 293.329.



This preview shows how white text looks on a background with the CIELCh color 37, 74.511, 293.329.

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, 74.511, 293.329

Protanopia

37, 57.573, 286.320

Deuteranopia

37, 40.722, 273.473



Tritanopia
37, 24.032, 204.038

Trichromacy



Original Color
37, 74.511, 293.329

Protanomaly
37, 63.411, 289.154

Deuteranomaly
37, 52.411, 283.453

Tritanomaly
36, 32.736, 262.326

Monochromacy



Original Color
37, 74.511, 293.329

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 28.815, 278.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 74.511, 293.329 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(0, 78, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 200)  
}
```

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(0, 78, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 74.511, 293.329 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(0, 78, 200) }
```

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

```
.border{ border-color:rgb(0, 78, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 78, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 78, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 78, 200)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 74.511, 293.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 200) }
```

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

```
.background{ background-color: rgb(0, 78,  
200) }
```

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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