

Converting Colors

CIELCh(37, 101.115, 300.101)

Have a look what the booklet for
CIELCh(37, 101.115, 300.101)
contains.

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Color

CIELCh(37, 101.124, 300.082)

Conversions

Conversions Part 1

Format	Color
Hex	0340E9
RGB	3, 64, 233
RGB Percent	1%, 25%, 91%
CMY	0.9889, 0.7497, 0.0871
CMYK	0.99, 0.73, 0.00, 0.09
HSL	224°, 98%, 46%
HSV	224°, 99%, 91%
XYZ	16.5377, 9.5379, 77.9069
YIQ	65.0270, -90.6050, 39.6270

Conversions

Conversions Part 2

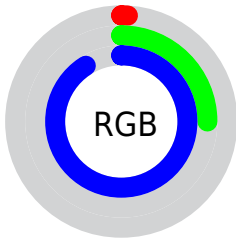
Format	Color
R_{YB}	3, 51, 233
Decimal	213225
CIE _{Lab}	37.00, 50.69, -87.50
CIE _{LCh}	37, 101.124, 300.082
Yxy	9.5379, 0.1590, 0.0917
Android (android.graphics.Color)	4278403305 (0xFF0340E9)
YUV	65.0270, 82.8107, -54.3977
Hunter-Lab	30.8835, 41.5379, -127.9467

Details

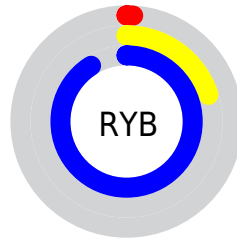
The CIELCh color **37, 101.124, 300.082** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **74, 77.578, 81.901**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 80.993, 298.503**, and **23, 95.117, 304.519** is the 20% darker color. If you saturate the color by 10%, you get **37, 102.366, 300.424**, and if you desaturate by 10%, it is **41, 90.432, 296.939**.

Distribution



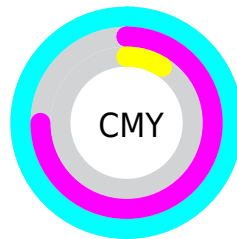
- Red (1%)
- Green (25%)
- Blue (91%)



- Red (1%)
- Yellow (20%)
- Blue (91%)



- Cyan (99%)
- Magenta (73%)
- Yellow (0%)
- Black (9%)





- Cyan (99%)
- Magenta (75%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 101.124, 300.082 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, 101.124, 300.082 by changing the saturation by 10% instead.


 37, 101.124,
300.082


 37, 101.124,
300.082


 100, 101.124,
300.082


 27, 101.124,
300.082


 57, 101.124,
300.082


 17, 101.124,
300.082


 67, 101.124,
300.082

 7, 101.124,
300.082

 77, 101.124,
300.082

 0, 101.124,
300.082

 87, 101.124,
300.082

 97, 101.124,
300.082

■ 37, 101.124,
300.082

■ 37, 101.124,
300.082

■ 37, 102.366,
300.424

■ 41, 90.432,
296.939

■ 46, 79.295,
293.609

■ 51, 68.224,
290.368

■ 57, 57.440,
287.381

■ 63, 46.993,
284.728

■ 69, 36.863,
282.423

■ 75, 27.015,
280.444

■ 81, 17.420,

278.754

■ 87, 8.057, 277.319

Harmonies

Complementary

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



37, 101.124, 300.082



74, 77.578, 81.901

Rectangle

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



37, 101.124, 300.082



37, 101.124, 350.082



37, 101.124, 120.082



37, 101.124, 170.082

Sweetspot

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



37, 101.125, 300.083



80, 30.365, 280.696



82, 63.187, 164.526



40, 20.827, 281.514



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, 101.125, 300.083



40, 110.198, 300.577



31, 122.055, 307.449



46, 5.246, 277.410



28, 83.473, 299.917



5, 29.030, 291.714

Inverse Universe

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



49, 83.260, 24.446



54, 90.033, 25.412



86, 93.404, 116.578



46, 5.204, 359.257



38, 69.000, 24.083



7, 27.816, 11.289

Previews

White Background



This preview shows how the CIELCh color 37, 101.124, 300.082 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, 101.124, 300.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

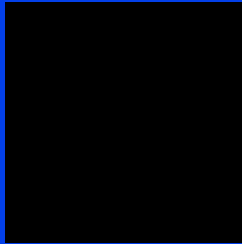
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 101.124, 300.082

Background



This preview shows how black text looks on a background with the CIELCh color 37, 101.124, 300.082.



This preview shows how white text looks on a background with the CIELCh color 37, 101.124, 300.082.

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, 101.132, 300.067

Protanopia

37, 57.643, 286.569

Deuteranopia

37, 39.149, 271.787



Tritanopia
37, 23.854, 204.109

Trichromacy



Original Color
37, 101.132, 300.067

Protanomaly
36, 74.135, 293.599

Deuteranomaly
36, 61.286, 288.787

Tritanomaly
35, 41.849, 276.239

Monochromacy



Original Color
37, 101.132, 300.067

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 39.294, 288.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 101.124, 300.082 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(3, 64, 233)` looks like.

```
.text, #text, p{  
    color:rgb(3, 64, 233)  
}
```

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(3, 64, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 64, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 101.124, 300.082 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(3, 64, 233) }
```

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

```
.border{ border-color:rgb(3, 64, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 64, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 64, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 64, 233);  
box-shadow:4px 4px 4px 4px rgb(3, 64, 233)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 101.124, 300.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 64, 233) }
```

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

```
.background{ background-color: rgb(3, 64,  
233) }
```

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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