

Converting Colors

CIELCh(37, 117.871, 302.882)

Have a look what the booklet for
CIELCh(37, 117.871, 302.882)
contains.

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Color

CIELCh(37, 118.005, 302.931)

Conversions

Conversions Part 1

Format	Color
Hex	0733FD
RGB	7, 51, 253
RGB Percent	3%, 20%, 99%
CMY	0.9733, 0.7992, 0.0068
CMYK	0.97, 0.80, 0.00, 0.01
HSL	229°, 99%, 51%
HSV	229°, 97%, 99%
XYZ	19.0479, 9.5379, 93.9799
YIQ	60.8720, -91.0660, 53.4940

Conversions

Conversions Part 2

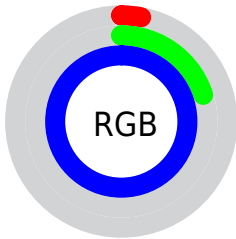
Format	Color
R _Y B	7, 44, 253
Decimal	472061
CIE Lab	37.00, 64.15, -99.04
CIE LCh	37, 118.005, 302.931
Yxy	9.5379, 0.1554, 0.0778
Android (android.graphics.Color)	4278662141 (0xFF0733FD)
YUV	60.8720, 94.7191, -47.2457
Hunter-Lab	30.8835, 56.0467, -158.8035




Details

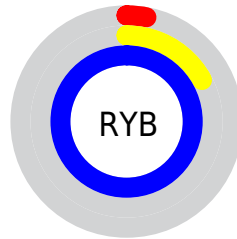
The CIELCh color **37, 118.005, 302.931** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **85, 85.274, 89.660**, and the grayscale version is **25, 0.004, 296.813**.




A 20% lighter version of the original color is **52, 88.174, 302.235**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 120.693, 303.510**, and if you desaturate by 10%, it is **41, 106.502, 300.344**.

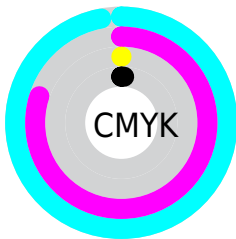
Distribution







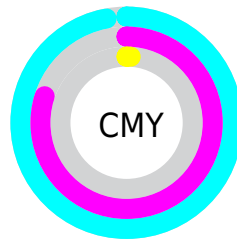
-  Red (3%)
-  Green (20%)
-  Blue (99%)






-  Red (3%)
-  Yellow (17%)
-  Blue (99%)



-  Cyan (97%)
-  Magenta (80%)
-  Yellow (0%)
-  Black (1%)





-  Cyan (97%)
-  Magenta (80%)
-  Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 118.005, 302.931 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, 118.005, 302.931 by changing the saturation by 10% instead.


 37, 118.005,
302.931


 37, 118.005,
302.931


 100, 118.005,
302.931


 27, 118.005,
302.931


 57, 118.005,
302.931


 17, 118.005,
302.931


 67, 118.005,
302.931

 7, 118.005,
302.931

 77, 118.005,
302.931

 0, 118.005,
302.931

 87, 118.005,
302.931

 97, 118.005,
302.931

■ 37, 118.005,
302.931

■ 37, 118.005,
302.931

■ 36, 120.693,
303.510

■ 41, 106.502,
300.344

■ 47, 93.543,
297.441

■ 53, 80.220,
294.515

■ 59, 67.104,
291.772

■ 66, 54.405,
289.316

■ 73, 42.162,
287.176

■ 80, 30.351,
285.339

■ 87, 18.935,

283.773

■ 94, 7.881, 282.446

Harmonies

Complementary

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



37, 118.005, 302.931



85, 85.274, 89.660

Rectangle

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



37, 118.005, 302.931



37, 118.005, 352.931



37, 118.005, 122.931



37, 118.005, 172.931

Sweetspot

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



37, 118.007, 302.932



79, 32.497, 285.631



89, 60.297, 172.673



39, 22.457, 286.400



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, 118.007, 302.932



36, 121.356, 303.519



36, 127.776, 308.452



49, 6.181, 282.717



27, 96.419, 303.115



6, 38.362, 298.164

Inverse Universe

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



53, 92.944, 30.667



53, 95.180, 32.030



91, 101.667, 120.664



50, 5.393, 5.597



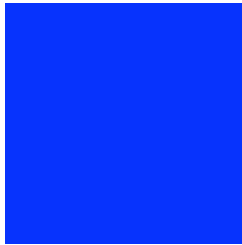
40, 75.937, 31.043



10, 32.102, 19.694

Previews

White Background



This preview shows how the CIELCh color 37, 118.005, 302.931 looks on a white background.

Color Contrast Check

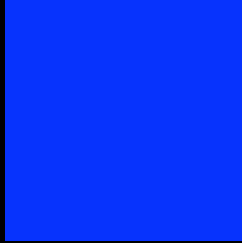
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.005, 302.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

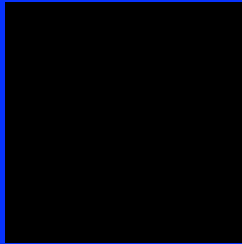
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 118.005, 302.931

Background



This preview shows how black text looks on a background with the CIELCh color 37, 118.005, 302.931.



This preview shows how white text looks on a background with the CIELCh color 37, 118.005,

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, 117.984, 302.952

Protanopia

37, 57.074, 286.307

Deuteranopia

37, 38.630, 271.196



Tritanopia
37, 23.954, 202.533

Trichromacy



Original Color
37, 117.984, 302.952

Protanomaly
36, 80.752, 295.950

Deuteranomaly
35, 68.568, 292.277

Tritanomaly
34, 48.121, 282.257

Monochromacy



Original Color
37, 117.984, 302.952

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 47.861, 294.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 118.005, 302.931 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(7, 51, 253)` looks like.

```
.text, #text, p{  
    color:rgb(7, 51, 253)  
}
```

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(7, 51, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 51, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 118.005, 302.931 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(7, 51, 253) }
```

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

```
.border{ border-color:rgb(7, 51, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 51, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 51, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 51, 253);  
box-shadow:4px 4px 4px 4px rgb(7, 51, 253)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 118.005, 302.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 51, 253) }
```

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

```
.background{ background-color: rgb(7, 51,  
253) }
```

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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