

Converting Colors

CIELCh(36, 117.331, 302.974)

Have a look what the booklet for
CIELCh(36, 117.331, 302.974)
contains.

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Color

CIELCh(36, 117.136, 303.006)

Conversions

Conversions Part 1

Format	Color
Hex	0031F9
RGB	0, 49, 249
RGB Percent	0%, 19%, 98%
CMY	1.0000, 0.8084, 0.0242
CMYK	1.00, 0.80, 0.00, 0.02
HSL	228°, 100%, 49%
HSV	228°, 100%, 98%
XYZ	18.1534, 9.0082, 90.2735
YIQ	57.1490, -93.4040, 51.8120

Conversions

Conversions Part 2

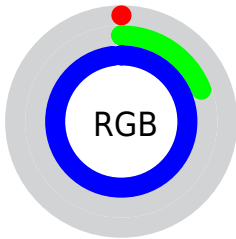
Format	Color
RYB	0, 41, 249
Decimal	12793
CIELab	36.00, 63.81, -98.23
CIELCh	36, 117.136, 303.006
Yxy	9.0082, 0.1546, 0.0767
Android (android.graphics.Color)	4278202873 (0xFF0031F9)
YUV	57.1490, 94.5825, -50.1197
Hunter-Lab	30.0136, 55.4398, -157.3202

Details

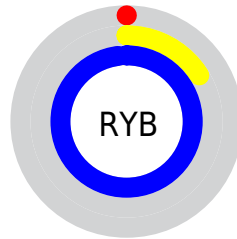
The CIELCh color **36, 117.136, 303.006** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **83, 83.884, 87.874**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 89.409, 302.332**, and **23, 107.676, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 117.127, 303.018**, and if you desaturate by 10%, it is **40, 106.170, 300.456**.

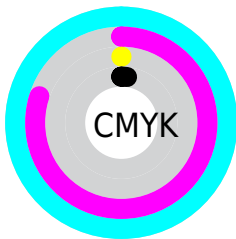
Distribution



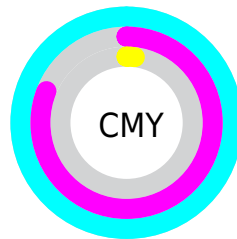
- Red (0%)
- Green (19%)
- Blue (98%)



- Red (0%)
- Yellow (16%)
- Blue (98%)



- Cyan (100%)
- Magenta (80%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (81%)
- Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 117.136, 303.006 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 36, 117.136, 303.006 by changing the saturation by 10% instead.


 36, 117.136,
303.006


 36, 117.136,
303.006


 100, 117.136,
303.006


 26, 117.136,
303.006


 56, 117.136,
303.006


 16, 117.136,
303.006

 66, 117.136,
303.006

 6, 117.136,
303.006

 76, 117.136,
303.006

 0, 117.136,
303.006

 86, 117.136,
303.006

 96, 117.136,
303.006

■ 36, 117.136,
303.006

■ 36, 117.136,
303.006

■ 36, 117.127,
303.018

■ 40, 106.170,
300.456

■ 45, 93.728,
297.508

■ 51, 80.847,
294.500

■ 57, 68.122,
291.652

■ 64, 55.781,
289.084

■ 71, 43.872,
286.836

■ 77, 32.375,
284.902

■ 84, 21.253,

283.250

■ 91, 10.474,
281.846

Harmonies

Complementary

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



36, 117.136, 303.006



83, 83.884, 87.874

Rectangle

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



36, 117.136, 303.006



36, 117.136, 353.006



36, 117.136, 123.006



36, 117.136, 173.006

Sweetspot

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



36, 117.127, 303.018



79, 33.025, 284.909



88, 61.319, 170.472



39, 22.684, 285.690



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36, 117.127, 303.018



37, 119.444, 303.049



35, 127.751, 308.162



49, 5.970, 281.782



27, 93.814, 302.596



5, 36.145, 296.950

Inverse Universe

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



52, 92.346, 30.809



53, 94.140, 30.885



90, 100.507, 120.146



49, 5.333, 4.358



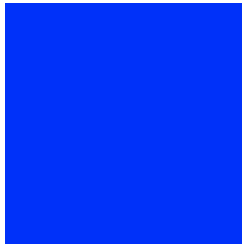
39, 74.341, 29.813



9, 31.009, 17.950

Previews

White Background



This preview shows how the CIE LCh color 36, 117.136, 303.006 looks on a white background.

Color Contrast Check

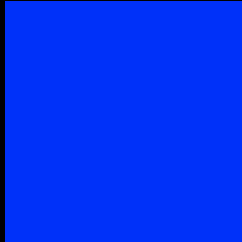
Large Text (above 18pt) WCAG AA ✓ Pass

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 36, 117.136, 303.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

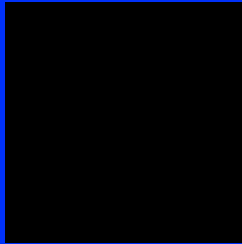
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 117.136, 303.006

Background



This preview shows how black text looks on a background with the CIELCh color 36, 117.136, 303.006.



This preview shows how white text looks on a background with the CIELCh color 36, 117.136,

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

36, 117.136, 303.006

Protanopia

36, 55.500, 286.004

Deuteranopia

36, 38.104, 271.284



Tritanopia
35, 23.320, 204.331

Trichromacy



Original Color
36, 117.136, 303.006

Protanomaly
35, 79.855, 296.028

Deuteranomaly
34, 68.199, 292.465

Tritanomaly
33, 48.299, 283.025

Monochromacy



Original Color
36, 117.136, 303.006

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 47.601, 293.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 117.136, 303.006 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, 49, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 49, 249)  
}
```

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, 49, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 49, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 117.136, 303.006 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, 49, 249) }
```

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

```
.border{ border-color:rgb(0, 49, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 49, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 49, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 49, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 49, 249)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 117.136, 303.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 49, 249) }
```

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

```
.background{ background-color: rgb(0, 49,  
249) }
```

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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