

Converting Colors

CIELCh(36, 112.059, 302.300)

Have a look what the booklet for
CIELCh(36, 112.059, 302.300)
contains.

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Color

CIELCh(36, 112.250, 302.310)

Conversions

Conversions Part 1

Format	Color
Hex	0135F3
RGB	1, 53, 243
RGB Percent	0%, 21%, 95%
CMY	0.9950, 0.7926, 0.0475
CMYK	0.99, 0.78, 0.00, 0.05
HSL	227°, 99%, 48%
HSV	227°, 99%, 95%
XYZ	17.4424, 9.0082, 85.5142
YIQ	59.1120, -91.9820, 48.0660

Conversions

Conversions Part 2

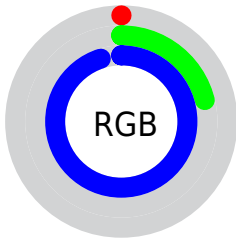
Format	Color
R _Y B	1, 44, 243
Decimal	79347
CIE Lab	36.00, 60.00, -94.87
CIE LCh	36, 112.250, 302.310
Yxy	9.0082, 0.1558, 0.0805
Android (android.graphics.Color)	4278269427 (0xFF0135F3)
YUV	59.1120, 90.6568, -50.9642
Hunter-Lab	30.0136, 51.2112, -147.9185

Details

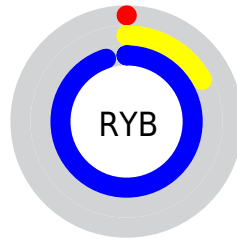
The CIELCh color **36, 112.250, 302.310** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **80, 81.665, 86.445**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 87.643, 301.477**, and **22, 103.911, 305.963** is the 20% darker color. If you saturate the color by 10%, you get **36, 112.784, 302.436**, and if you desaturate by 10%, it is **40, 101.262, 299.578**.

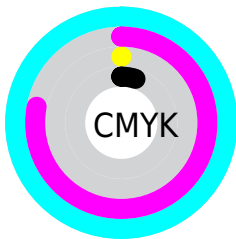
Distribution



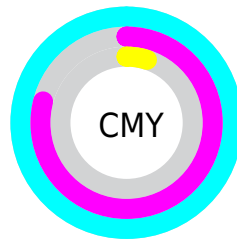
- Red (0%)
- Green (21%)
- Blue (95%)



- Red (0%)
- Yellow (17%)
- Blue (95%)



- Cyan (99%)
- Magenta (78%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (79%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 112.250, 302.310 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, 112.250, 302.310 by changing the saturation by 10% instead.


 36, 112.250,
302.310


 36, 112.250,
302.310


 100, 112.250,
302.310


 26, 112.250,
302.310


 56, 112.250,
302.310


 16, 112.250,
302.310


 66, 112.250,
302.310

 6, 112.250,
302.310

 76, 112.250,
302.310

 0, 112.250,
302.310

 86, 112.250,
302.310

 96, 112.250,
302.310

■ 36, 112.250,
302.310

■ 36, 112.250,
302.310

■ 36, 112.784,
302.436

■ 40, 101.262,
299.578

■ 45, 89.145,
296.523

■ 51, 76.780,
293.456

■ 57, 64.632,
290.578

■ 63, 52.866,
287.997

■ 70, 41.502,
285.744

■ 76, 30.515,
283.806

■ 83, 19.869,

282.151

■ 90, 9.534, 280.745

Harmonies

Complementary

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



36, 112.250, 302.310



80, 81.665, 86.445

Rectangle

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



36, 112.250, 302.310



36, 112.250, 352.310



36, 112.250, 122.310



36, 112.250, 172.310

Sweetspot

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



36, 112.252, 302.311



79, 32.343, 283.915



86, 61.381, 168.932



39, 22.208, 284.705



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, 112.252, 302.311



38, 117.286, 302.503



34, 125.485, 307.977



48, 5.757, 280.748



27, 91.045, 301.994



5, 33.909, 295.561

Inverse Universe

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



51, 89.247, 29.173



54, 93.051, 29.600



88, 98.024, 119.249



48, 5.276, 3.054



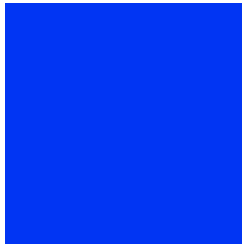
39, 72.735, 28.444



9, 29.946, 16.068

Previews

White Background



This preview shows how the CIE LCh color 36, 112.250, 302.310 looks on a white background.

Color Contrast Check

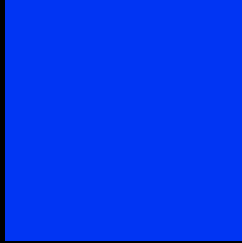
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.250, 302.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

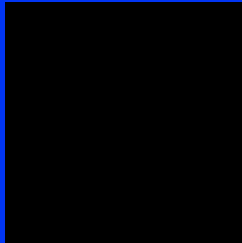
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 112.250, 302.310

Background



This preview shows how black text looks on a background with the CIELCh color 36, 112.250, 302.310.



This preview shows how white text looks on a background with the CIELCh color 36, 112.250, 302.310.

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, 112.260, 302.298

Protanopia

36, 55.500, 286.004

Deuteranopia

36, 38.104, 271.284



Tritanopia
35, 23.320, 204.331

Trichromacy



Original Color
36, 112.260, 302.298

Protanomaly
35, 77.431, 295.188

Deuteranomaly
35, 65.727, 291.321

Tritanomaly
33, 46.534, 281.603

Monochromacy



Original Color
36, 112.260, 302.298

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 44.849, 292.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 112.250, 302.310 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(1, 53, 243)` looks like.

```
.text, #text, p{  
    color:rgb(1, 53, 243)  
}
```

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(1, 53, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 53, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 112.250, 302.310 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(1, 53, 243) }
```

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

```
.border{ border-color:rgb(1, 53, 243) }
```

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

Here you see how a box with a 4 pixel rgb(1, 53, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 53, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 53, 243);  
box-shadow:4px 4px 4px 4px rgb(1, 53, 243)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 112.250, 302.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 53, 243) }
```

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

```
.background{ background-color: rgb(1, 53,  
243) }
```

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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