

Converting Colors

CIELCh(36, 121.399, 303.529)

Have a look what the booklet for
CIELCh(36, 121.399, 303.529)
contains.

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Color

CIELCh(36, 121.315, 303.596)

Conversions

Conversions Part 1

Format	Color
Hex	002DFE
RGB	0, 45, 254
RGB Percent	0%, 18%, 100%
CMY	1.0000, 0.8240, 0.0045
CMYK	1.00, 0.82, 0.00, 0.00
HSL	229°, 100%, 50%
HSV	229°, 100%, 100%
XYZ	18.7887, 9.0082, 94.3976
YIQ	55.3710, -93.9090, 55.4590

Conversions

Conversions Part 2

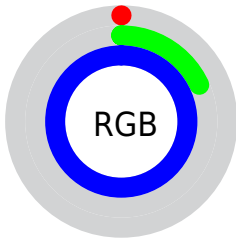
Format	Color
R _{YB}	0, 38, 254
Decimal	11774
CIE Lab	36.00, 67.13, -101.05
CIE LCh	36, 121.315, 303.596
Yxy	9.0082, 0.1538, 0.0737
Android (android.graphics.Color)	4278201854 (0xFF002DFE)
YUV	55.3710, 97.9241, -48.5604
Hunter-Lab	30.0136, 59.2181, -165.4672

Details

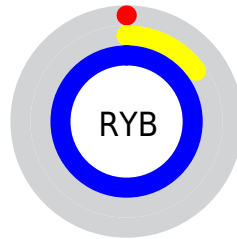
The CIELCh color **36, 121.315, 303.596** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **85, 85.959, 89.570**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 91.153, 303.150**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 121.307, 303.606**, and if you desaturate by 10%, it is **40, 110.440, 301.210**.

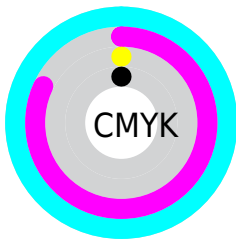
Distribution



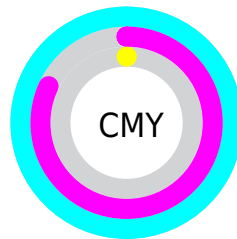
- Red (0%)
- Green (18%)
- Blue (100%)



- Red (0%)
- Yellow (15%)
- Blue (100%)



- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (82%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 121.315, 303.596 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, 121.315, 303.596 by changing the saturation by 10% instead.


 36, 121.315,
303.596


 36, 121.315,
303.596


 100, 121.315,
303.596


 26, 121.315,
303.596


 56, 121.315,
303.596


 16, 121.315,
303.596


 66, 121.315,
303.596

 6, 121.315,
303.596

 76, 121.315,
303.596

 0, 121.315,
303.596

 86, 121.315,
303.596

 96, 121.315,
303.596

■ 36, 121.315,
303.596

■ 36, 121.315,
303.596

■ 36, 121.307,
303.606

■ 40, 110.440,
301.210

■ 45, 97.708,
298.380

■ 51, 84.333,
295.450

■ 58, 71.043,
292.653

■ 64, 58.137,
290.121

■ 71, 45.689,
287.901

■ 78, 33.687,
285.989

■ 85, 22.096,

284.357

■ 93, 10.881,
282.971

Harmonies

Complementary

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



36, 121.315, 303.596



85, 85.959, 89.570

Rectangle

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



36, 121.315, 303.596



36, 121.315, 353.596



36, 121.315, 123.596



36, 121.315, 173.596

Sweetspot

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



36, 121.307, 303.606



79, 33.810, 285.991



90, 60.940, 172.190



39, 23.231, 286.761



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, 121.307, 303.606



36, 121.741, 303.612



36, 129.344, 308.369



49, 6.204, 282.908



26, 96.741, 303.214



6, 38.479, 298.252

Inverse Universe

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



53, 95.064, 32.250



53, 95.400, 32.263



92, 102.590, 120.965



50, 5.388, 5.857



40, 76.109, 31.282



10, 32.122, 19.850

Previews

White Background



This preview shows how the CIE LCh color 36, 121.315, 303.596 looks on a white background.

Color Contrast Check

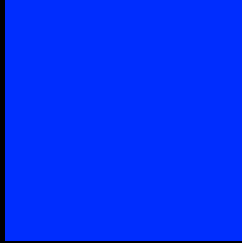
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.315, 303.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

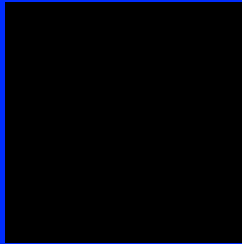
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 121.315, 303.596

Background



This preview shows how black text looks on a background with the CIELCh color 36, 121.315, 303.596.



This preview shows how white text looks on a background with the CIELCh color 36, 121.315, 303.596.

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, 121.315, 303.596

Protanopia

36, 55.500, 286.004

Deuteranopia

36, 37.586, 270.667



Tritanopia
35, 23.320, 204.331

Trichromacy



Original Color
36, 121.315, 303.596

Protanomaly
35, 81.060, 296.427

Deuteranomaly
34, 69.435, 293.006

Tritanomaly
33, 50.722, 284.964

Monochromacy



Original Color
36, 121.315, 303.596

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 49.730, 295.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 121.315, 303.596 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, 45, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 45, 254)  
}
```

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, 45, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 45, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 121.315, 303.596 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, 45, 254) }
```

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

```
.border{ border-color:rgb(0, 45, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 45, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 45, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 45, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 45, 254)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 121.315, 303.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 45, 254) }
```

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

```
.background{ background-color: rgb(0, 45,  
254) }
```

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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