

Converting Colors

CIELCh(36, 122.595, 303.816)

Have a look what the booklet for
CIELCh(36, 122.595, 303.816)
contains.

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Color

CIELCh(36, 122.621, 303.847)

Conversions

Conversions Part 1

Format	Color
Hex	042BFF
RGB	4, 43, 255
RGB Percent	2%, 17%, 100%
CMY	0.9843, 0.8305, 0.0000
CMYK	0.98, 0.83, 0.00, 0.00
HSL	231°, 100%, 51%
HSV	231°, 98%, 100%
XYZ	19.0159, 9.0082, 95.5751
YIQ	55.5070, -91.2960, 57.6640

Conversions

Conversions Part 2

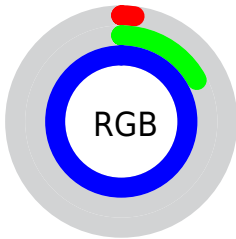
Format	Color
R _Y B	4, 38, 255
Decimal	273407
CIE Lab	36.00, 68.30, -101.84
CIE LCh	36, 122.621, 303.847
Yxy	9.0082, 0.1539, 0.0729
Android (android.graphics.Color)	4278463487 (0xFF042BFF)
YUV	55.5070, 98.3500, -45.1716
Hunter-Lab	30.0136, 60.5695, -167.7931

Details

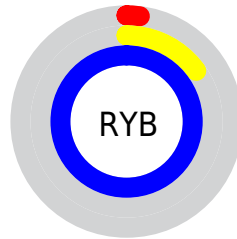
The CIELCh color **36, 122.621, 303.847** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **87, 86.968, 91.508**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 91.722, 303.461**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 123.956, 304.136**, and if you desaturate by 10%, it is **40, 111.507, 301.518**.

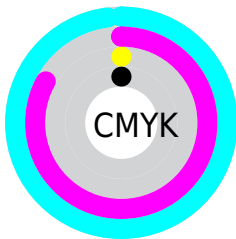
Distribution



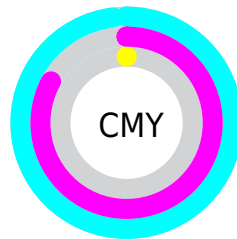
- Red (2%)
- Green (17%)
- Blue (100%)



- Red (2%)
- Yellow (15%)
- Blue (100%)



- Cyan (98%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (83%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 122.621, 303.847 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, 122.621, 303.847 by changing the saturation by 10% instead.


 36, 122.621,
303.847


 36, 122.621,
303.847


 100, 122.621,
303.847


 26, 122.621,
303.847


 56, 122.621,
303.847


 16, 122.621,
303.847


 66, 122.621,
303.847

 6, 122.621,
303.847

 76, 122.621,
303.847

 0, 122.621,
303.847

 86, 122.621,
303.847

 96, 122.621,
303.847

■ 36, 122.621,
303.847

■ 36, 122.621,
303.847

■ 35, 123.956,
304.136

■ 40, 111.507,
301.518

■ 45, 98.474,
298.775

■ 51, 84.740,
295.935

■ 58, 71.082,
293.228

■ 65, 57.823,
290.782

■ 72, 45.044,
288.642

■ 79, 32.736,
286.802

■ 87, 20.865,

285.233

■ 94, 9.392, 283.902

Harmonies

Complementary

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



36, 122.621, 303.847



87, 86.968, 91.508

Rectangle

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



36, 122.621, 303.847



36, 122.621, 353.847



36, 122.621, 123.847



36, 122.621, 173.847

Sweetspot

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



36, 122.498, 303.843



78, 34.643, 287.073



90, 59.570, 174.265



39, 23.812, 287.832



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, 122.498, 303.843



35, 123.956, 304.136



37, 128.624, 308.650



49, 6.347, 284.035



26, 98.603, 303.774



5, 39.154, 298.748

Inverse Universe

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



54, 95.685, 32.879



53, 96.727, 33.607



92, 103.053, 121.573



50, 5.355, 7.443



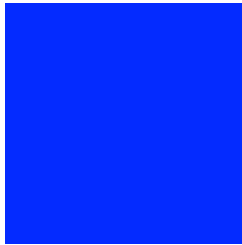
40, 77.157, 32.673



10, 32.243, 20.753

Previews

White Background



This preview shows how the CIE LCh color 36, 122.621, 303.847 looks on a white background.

Color Contrast Check

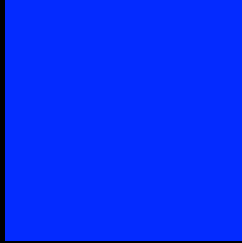
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122.621, 303.847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

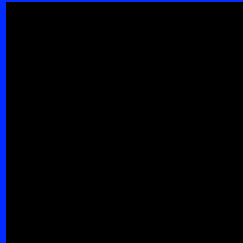
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 122.621, 303.847

Background



This preview shows how black text looks on a background with the CIELCh color 36, 122.621, 303.847.



This preview shows how white text looks on a background with the CIELCh color 36, 122.621, 303.847.

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, 122.598, 303.866

Protanopia

36, 55.500, 286.004

Deuteranopia

35, 38.102, 271.635



Tritanopia
35, 23.418, 202.709

Trichromacy



Original Color
36, 122.598, 303.866

Protanomaly
34, 82.254, 296.837

Deuteranomaly
34, 70.760, 293.766

Tritanomaly
33, 50.133, 284.703

Monochromacy



Original Color
36, 122.598, 303.866

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 50.302, 295.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 122.621, 303.847 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(4, 43, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 43, 255)  
}
```

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(4, 43, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 43, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 122.621, 303.847 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(4, 43, 255) }
```

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

```
.border{ border-color:rgb(4, 43, 255) }
```

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

Here you see how a box with a 4 pixel rgb(4, 43, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 43, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 43, 255);  
box-shadow:4px 4px 4px 4px rgb(4, 43, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 122.621, 303.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 43, 255) }
```

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

```
.background{ background-color: rgb(4, 43,  
255) }
```

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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