

Converting Colors

CIELCh(33, 114.108, 303.479)

Have a look what the booklet for
CIELCh(33, 114.108, 303.479)
contains.

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Color

CIELCh(33, 114.301, 303.575)

Conversions

Conversions Part 1

Format	Color
Hex	0029EB
RGB	0, 41, 235
RGB Percent	0%, 16%, 92%
CMY	1.0000, 0.8402, 0.0796
CMYK	1.00, 0.83, 0.00, 0.08
HSL	230°, 100%, 46%
HSV	230°, 100%, 92%
XYZ	15.7134, 7.5373, 78.9981
YIQ	50.8570, -86.7100, 51.6420

Conversions

Conversions Part 2

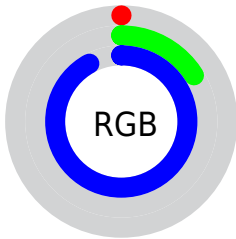
Format	Color
R _Y B	0, 35, 235
Decimal	10731
CIE Lab	33.00, 63.21, -95.23
CIE LCh	33, 114.301, 303.575
Yxy	7.5373, 0.1537, 0.0737
Android (android.graphics.Color)	4278200811 (0xFF0029EB)
YUV	50.8570, 90.7825, -44.6016
Hunter-Lab	27.4541, 54.1198, -151.3867

Details

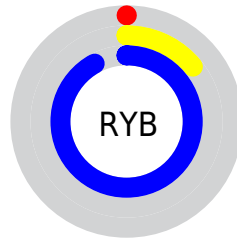
The CIELCh color **33, 114.301, 303.575** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **80, 81.167, 89.909**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 94.229, 303.230**, and **21, 101.753, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 114.280, 303.597**, and if you desaturate by 10%, it is **37, 104.022, 301.221**.

Distribution



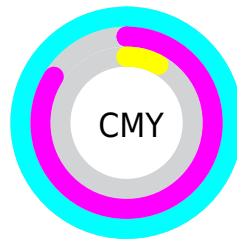
- Red (0%)
- Green (16%)
- Blue (92%)



- Red (0%)
- Yellow (14%)
- Blue (92%)



- Cyan (100%)
- Magenta (83%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (84%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 114.301, 303.575 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 33, 114.301, 303.575 by changing the saturation by 10% instead.


 33, 114.301,
303.575


 33, 114.301,
303.575


 100, 114.301,
303.575


 23, 114.301,
303.575


 53, 114.301,
303.575


 13, 114.301,
303.575


 63, 114.301,
303.575

 3, 114.301,
303.575

 73, 114.301,
303.575

 0, 114.301,
303.575

 83, 114.301,
303.575

 93, 114.301,
303.575

■ 33, 114.301,
303.575

■ 33, 114.301,
303.575

■ 33, 114.280,
303.597

■ 37, 104.022,
301.221

■ 42, 92.023,
298.414

■ 47, 79.426,
295.511

■ 53, 66.909,
292.741

■ 60, 54.753,
290.233

■ 66, 43.028,
288.033

■ 73, 31.724,
286.138

■ 80, 20.808,

284.520

■ 86, 10.246,
283.144

Harmonies

Complementary

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



33, 114.301, 303.575



80, 81.167, 89.909

Rectangle

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



33, 114.301, 303.575



33, 114.301, 353.575



33, 114.301, 123.575



33, 114.301, 173.575

Sweetspot

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



33, 114.280, 303.597



79, 33.939, 286.162



83, 57.370, 172.274



39, 23.321, 286.931



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



33, 114.280, 303.597



36, 122.099, 303.697



33, 121.827, 308.408



46, 5.814, 283.077



25, 92.878, 303.215



4, 31.460, 294.238

Inverse Universe

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



49, 89.565, 32.227



53, 95.606, 32.479



85, 96.635, 120.901



46, 5.025, 6.094



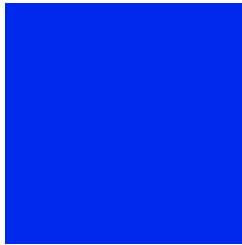
38, 73.069, 31.284



7, 27.959, 15.561

Previews

White Background



This preview shows how the CIE LCh color 33, 114.301, 303.575 looks on a white background.

Color Contrast Check

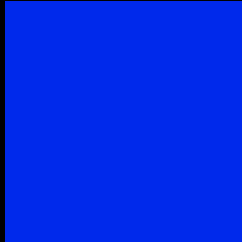
Large Text (above 18pt) WCAG AA ✓ Pass

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 33, 114.301, 303.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

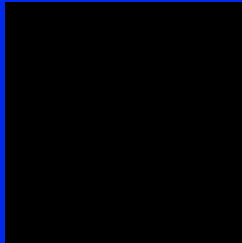
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 114.301, 303.575

Background



This preview shows how black text looks on a background with the CIELCh color 33, 114.301, 303.575.



This preview shows how white text looks on a background with the CIELCh color 33, 114.301, 303.575.

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

33, 114.301, 303.575

Protanopia

33, 51.879, 285.589

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 114.301, 303.575

Protanomaly
32, 75.988, 296.197

Deuteranomaly
31, 65.424, 292.973

Tritanomaly
30, 46.964, 284.088

Monochromacy



Original Color
33, 114.301, 303.575

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 47.065, 295.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 114.301, 303.575 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, 41, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 41, 235)  
}
```

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, 41, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 41, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 114.301, 303.575 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, 41, 235) }
```

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

```
.border{ border-color:rgb(0, 41, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 41, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 41, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 41, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 41, 235)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 114.301, 303.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 41, 235) }
```

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

```
.background{ background-color: rgb(0, 41,  
235) }
```

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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