

Converting Colors

CIELCh(33, 115.027, 303.782)

Have a look what the booklet for
CIELCh(33, 115.027, 303.782)
contains.

CIELCh(33, 114.698, 303.736)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(33, 114.698, 303.736)

Conversions

Conversions Part 1

Format	Color
Hex	0428EB
RGB	4, 40, 235
RGB Percent	2%, 16%, 92%
CMY	0.9848, 0.8433, 0.0785
CMYK	0.98, 0.83, 0.00, 0.08
HSL	231°, 97%, 47%
HSV	231°, 98%, 92%
XYZ	15.7973, 7.5373, 79.1989
YIQ	51.4660, -84.0510, 53.0130

Conversions

Conversions Part 2

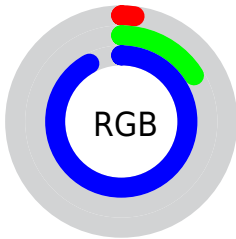
Format	Color
R _Y B	4, 35, 235
Decimal	272619
CIE Lab	33.00, 63.70, -95.38
CIE LCh	33, 114.698, 303.736
Yxy	7.5373, 0.1541, 0.0735
Android (android.graphics.Color)	4278462699 (0xFF0428EB)
YUV	51.4660, 90.4823, -41.6277
Hunter-Lab	27.4541, 54.6656, -151.8204

Details

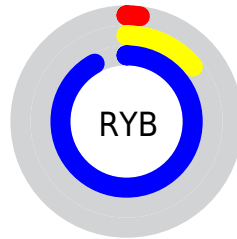
The CIELCh color **33, 114.698, 303.736** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **81, 81.738, 91.581**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 94.204, 303.356**, and **21, 101.753, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 116.162, 304.048**, and if you desaturate by 10%, it is **37, 104.282, 301.399**.

Distribution



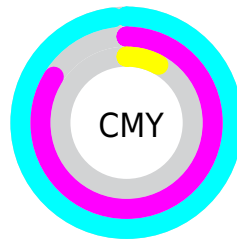
- Red (2%)
- Green (16%)
- Blue (92%)



- Red (2%)
- Yellow (14%)
- Blue (92%)



- Cyan (98%)
- Magenta (83%)
- Yellow (0%)
- Black (8%)





- Cyan (98%)
- Magenta (84%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 114.698, 303.736 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, 114.698, 303.736 by changing the saturation by 10% instead.


 33, 114.698,
303.736


 33, 114.698,
303.736


 100, 114.698,
303.736


 23, 114.698,
303.736


 53, 114.698,
303.736


 13, 114.698,
303.736


 63, 114.698,
303.736

 3, 114.698,
303.736

 73, 114.698,
303.736

 0, 114.698,
303.736

 83, 114.698,
303.736

 93, 114.698,
303.736

■ 33, 114.698,
303.736

■ 33, 114.698,
303.736

■ 32, 116.162,
304.048

■ 37, 104.282,
301.399

■ 42, 92.032,
298.658

■ 48, 79.170,
295.832

■ 54, 66.397,
293.145

■ 60, 54.001,
290.720

■ 67, 42.053,
288.598

■ 74, 30.543,
286.773

■ 81, 19.439,

285.215

■ 87, 8.706, 283.893

Harmonies

Complementary

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



33, 114.698, 303.736



81, 81.738, 91.581

Rectangle

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



33, 114.698, 303.736



33, 114.698, 353.736



33, 114.698, 123.736



33, 114.698, 173.736

Sweetspot

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



33, 114.700, 303.737



78, 34.647, 287.078



84, 55.921, 174.356



39, 23.814, 287.837



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, 114.700, 303.737



35, 123.966, 304.139



34, 120.747, 308.685



46, 5.927, 284.030



24, 94.399, 303.693



4, 31.883, 294.633

Inverse Universe

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



49, 89.655, 32.618



53, 96.733, 33.613



85, 96.773, 121.503



46, 5.000, 7.442



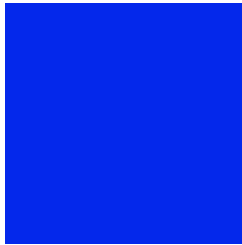
38, 73.920, 32.466



7, 27.998, 16.290

Previews

White Background



This preview shows how the CIELCh color 33, 114.698, 303.736 looks on a white background.

Color Contrast Check

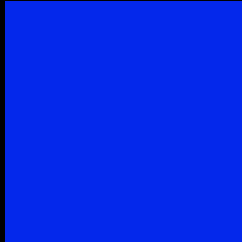
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.698, 303.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

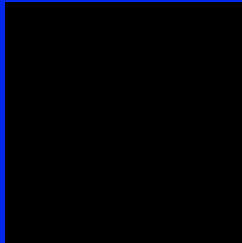
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 114.698, 303.736

Background



This preview shows how black text looks on a background with the CIELCh color 33, 114.698, 303.736.



This preview shows how white text looks on a background with the CIELCh color 33, 114.698, 303.736.

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, 114.698, 303.736

Protanopia

33, 51.300, 285.280

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 114.698, 303.736

Protanomaly
32, 76.641, 296.533

Deuteranomaly
31, 66.092, 293.409

Tritanomaly
30, 47.600, 284.827

Monochromacy



Original Color
33, 114.698, 303.736

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 47.023, 295.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 114.698, 303.736 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, 40, 235)` looks like.

```
.text, #text, p{  
    color:rgb(4, 40, 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(4, 40, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 40, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 114.698, 303.736 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, 40, 235) }
```

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

```
.border{ border-color:rgb(4, 40, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 40, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 40, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 40, 235);  
box-shadow:4px 4px 4px 4px rgb(4, 40, 235)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 114.698, 303.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 40, 235) }
```

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

```
.background{ background-color: rgb(4, 40,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor