

Converting Colors

CIELCh(33, 114.144, 303.860)

Have a look what the booklet for
CIELCh(33, 114.144, 303.860)
contains.

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Color

CIELCh(33, 114.099, 303.836)

Conversions

Conversions Part 1

Format	Color
Hex	0E28EA
RGB	14, 40, 234
RGB Percent	5%, 16%, 92%
CMY	0.9467, 0.8435, 0.0827
CMYK	0.94, 0.83, 0.00, 0.08
HSL	233°, 89%, 49%
HSV	233°, 94%, 92%
XYZ	15.7685, 7.5373, 78.3973
YIQ	54.3420, -77.7700, 54.8220

Conversions

Conversions Part 2

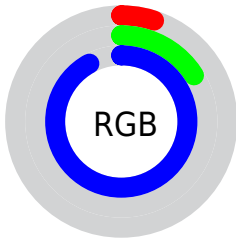
Format	Color
R_{YB}	14, 37, 234
Decimal	927978
CIE _{Lab}	33.00, 63.53, -94.77
CIE _{LCh}	33, 114.099, 303.836
Yxy	7.5373, 0.1550, 0.0741
Android (android.graphics.Color)	4279118058 (0xFF0E28EA)
YUV	54.3420, 88.5714, -35.3799
Hunter-Lab	27.4541, 54.4784, -150.0893

Details

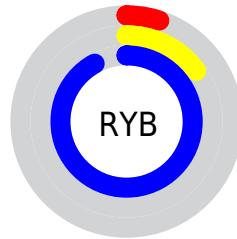
The CIELCh color **33, 114.099, 303.836** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **83, 82.600, 94.907**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 94.179, 303.482**, and **21, 101.326, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 119.016, 304.842**, and if you desaturate by 10%, it is **37, 103.146, 301.568**.

Distribution



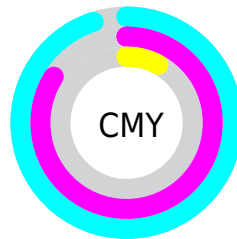
- Red (5%)
- Green (16%)
- Blue (92%)



- Red (5%)
- Yellow (15%)
- Blue (92%)



- Cyan (94%)
- Magenta (83%)
- Yellow (0%)
- Black (8%)





- Cyan (95%)
- Magenta (84%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 114.099, 303.836 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, 114.099, 303.836 by changing the saturation by 10% instead.


 33, 114.099,
303.836


 33, 114.099,
303.836


 100, 114.099,
303.836


 23, 114.099,
303.836


 53, 114.099,
303.836


 13, 114.099,
303.836


 63, 114.099,
303.836

 3, 114.099,
303.836

 73, 114.099,
303.836

 0, 114.099,
303.836

 83, 114.099,
303.836

 93, 114.099,
303.836

■ 33, 114.099,
303.836

■ 33, 114.099,
303.836

■ 31, 119.016,
304.842

■ 37, 103.146,
301.568

■ 42, 90.348,
298.952

■ 49, 77.003,
296.289

■ 55, 63.803,
293.787

■ 62, 51.021,
291.550

■ 69, 38.722,
289.604

■ 76, 26.892,
287.936

■ 83, 15.497,

286.517

■ 90, 4.502, 285.325

Harmonies

Complementary

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



33, 114.099, 303.836



83, 82.600, 94.907

Rectangle

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



33, 114.099, 303.836



33, 114.099, 353.836



33, 114.099, 123.836



33, 114.099, 173.836

Sweetspot

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



33, 114.101, 303.837



79, 33.631, 288.563



84, 52.895, 178.777



39, 23.407, 289.298



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, 114.101, 303.837



34, 127.397, 304.920



35, 117.553, 309.389



45, 6.172, 285.925



23, 97.254, 304.554



4, 32.779, 295.432

Inverse Universe

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



49, 88.783, 32.972



53, 99.049, 35.742



85, 96.236, 122.510



46, 4.956, 10.327



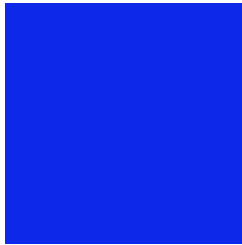
38, 75.709, 34.724



7, 28.094, 17.820

Previews

White Background



This preview shows how the CIELCh color 33, 114.099, 303.836 looks on a white background.

Color Contrast Check

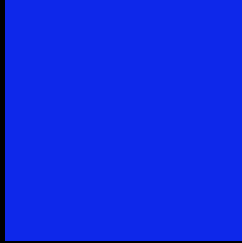
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.099, 303.836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

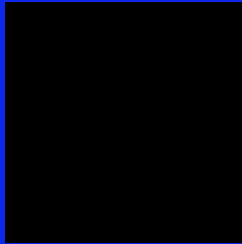
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 114.099, 303.836

Background



This preview shows how black text looks on a background with the CIELCh color 33, 114.099, 303.836.



This preview shows how white text looks on a background with the CIELCh color 33, 114.099, 303.836.

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, 114.099, 303.836

Protanopia

32, 51.947, 285.871

Deuteranopia

33, 34.939, 269.950



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 114.099, 303.836

Protanomaly
32, 76.048, 296.536

Deuteranomaly
31, 65.483, 293.402

Tritanomaly
30, 46.968, 284.773

Monochromacy



Original Color
33, 114.099, 303.836

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 46.120, 295.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 114.099, 303.836 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(14, 40, 234)` looks like.

```
.text, #text, p{  
    color:rgb(14, 40, 234)  
}
```

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(14, 40, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 40, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 114.099, 303.836 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(14, 40, 234) }
```

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

```
.border{ border-color:rgb(14, 40, 234) }
```

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

Here you see how a box with a 4 pixel rgb(14, 40, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 40, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 40, 234);  
box-shadow:4px 4px 4px 4px rgb(14, 40,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 114.099, 303.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 40, 234) }
```

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

```
.background{ background-color: rgb(14, 40,  
234) }
```

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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