

Converting Colors

CIELCh(33, 113.185, 304.536)

Have a look what the booklet for
CIELCh(33, 113.185, 304.536)
contains.

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Color

CIELCh(33, 113.014, 304.513)

Conversions

Conversions Part 1

Format	Color
Hex	2426E7
RGB	36, 38, 231
RGB Percent	14%, 15%, 91%
CMY	0.8584, 0.8509, 0.0940
CMYK	0.84, 0.84, 0.00, 0.09
HSL	239°, 80%, 52%
HSV	239°, 84%, 91%
XYZ	15.8549, 7.5373, 76.2506
YIQ	59.4040, -63.1450, 59.5990

Conversions

Conversions Part 2

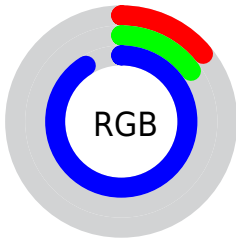
Format	Color
R_{YB}	36, 38, 231
Decimal	2369255
CIE _{Lab}	33.00, 64.03, -93.12
CIE _{LCh}	33, 113.014, 304.513
Yxy	7.5373, 0.1591, 0.0756
Android (android.graphics.Color)	4280559335 (0xFF2426E7)
YUV	59.4040, 84.5968, -20.5253
Hunter-Lab	27.4541, 55.0399, -145.4533

Details

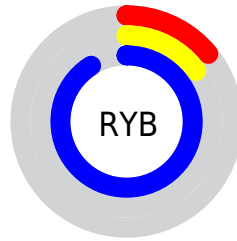
The CIELCh color **33, 113.014, 304.513** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **89, 84.922, 102.645**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 95.182, 304.579**, and **20, 100.472, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 121.168, 305.798**, and if you desaturate by 10%, it is **38, 100.821, 302.584**.

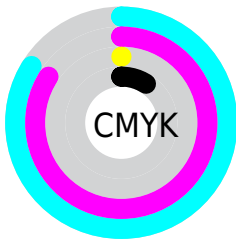
Distribution



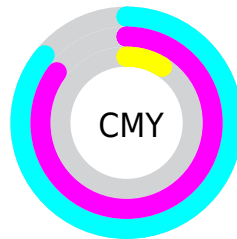
- Red (14%)
- Green (15%)
- Blue (91%)



- Red (14%)
- Yellow (15%)
- Blue (91%)



- Cyan (84%)
- Magenta (84%)
- Yellow (0%)
- Black (9%)





- Cyan (86%)
- Magenta (85%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 113.014, 304.513 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, 113.014, 304.513 by changing the saturation by 10% instead.


 33, 113.014,
304.513


 33, 113.014,
304.513


 100, 113.014,
304.513


 23, 113.014,
304.513


 53, 113.014,
304.513


 13, 113.014,
304.513


 63, 113.014,
304.513

 3, 113.014,
304.513

 73, 113.014,
304.513

 0, 113.014,
304.513

 83, 113.014,
304.513

 93, 113.014,
304.513

■ 33, 113.014,
304.513

■ 33, 113.014,
304.513

■ 30, 121.168,
305.798

■ 38, 100.821,
302.584

■ 29, 123.788,
306.198

■ 44, 86.643,
300.351

■ 51, 71.975,
298.116

■ 58, 57.547,
296.055

■ 66, 43.629,
294.240

■ 73, 30.283,
292.679

■ 81, 17.491,
291.353

■ 88, 5.218, 290.238

Harmonies

Complementary

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



33, 113.014, 304.513



89, 84.922, 102.645

Rectangle

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



33, 113.014, 304.513



33, 113.014, 354.513



33, 113.014, 124.513



33, 113.014, 174.513

Sweetspot

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



33, 113.016, 304.514



80, 33.713, 292.790



84, 45.646, 194.243



39, 23.173, 293.320



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, 113.016, 304.514



32, 133.430, 306.208



41, 107.522, 312.110



44, 6.811, 290.779



21, 101.931, 306.164



2, 33.447, 296.591

Inverse Universe

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



50, 86.073, 35.169



53, 104.183, 39.728



83, 94.164, 126.167



45, 4.816, 19.142



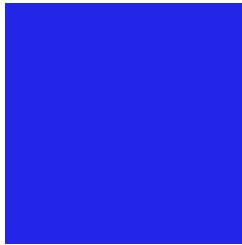
37, 79.545, 39.571



6, 27.071, 21.355

Previews

White Background



This preview shows how the CIE LCh color 33, 113.014, 304.513 looks on a white background.

Color Contrast Check

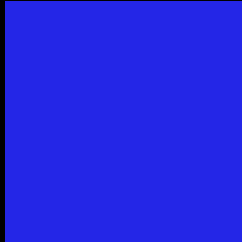
Large Text (above 18pt) WCAG AA ✓ Pass

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, 113.014, 304.513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

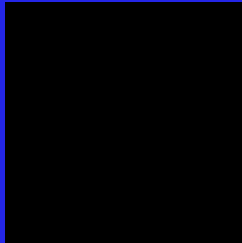
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 113.014, 304.513

Background



This preview shows how black text looks on a background with the CIELCh color 33, 113.014, 304.513.



This preview shows how white text looks on a background with the CIELCh color 33, 113.014, 304.513.

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, 113.014, 304.513

Protanopia

32, 51.947, 285.871

Deuteranopia

32, 35.455, 271.014



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 113.014, 304.513

Protanomaly
31, 76.081, 296.974

Deuteranomaly
31, 65.517, 293.964

Tritanomaly
30, 46.287, 285.041

Monochromacy



Original Color
33, 113.014, 304.513

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 46.344, 298.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 113.014, 304.513 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(36, 38, 231)` looks like.

```
.text, #text, p{  
    color:rgb(36, 38, 231)  
}
```

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(36, 38, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 38, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 113.014, 304.513 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(36, 38, 231) }
```

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

```
.border{ border-color:rgb(36, 38, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 38, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 38, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 38, 231);  
box-shadow:4px 4px 4px 4px rgb(36, 38,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 113.014, 304.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 38, 231) }
```

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

```
.background{ background-color: rgb(36, 38,  
231) }
```

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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