

Converting Colors

CIELCh(33, 116.693, 304.172)

Have a look what the booklet for
CIELCh(33, 116.693, 304.172)
contains.

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Color

CIELCh(33, 116.801, 304.194)

Conversions

Conversions Part 1

Format	Color
Hex	0D25ED
RGB	13, 37, 237
RGB Percent	5%, 15%, 93%
CMY	0.9496, 0.8544, 0.0700
CMYK	0.95, 0.84, 0.00, 0.07
HSL	234°, 90%, 49%
HSV	234°, 95%, 93%
XYZ	16.1345, 7.5373, 80.8311
YIQ	52.6240, -78.5040, 57.1120

Conversions

Conversions Part 2

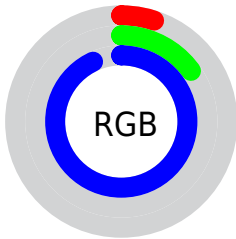
Format	Color
R_{YB}	13, 35, 237
Decimal	861677
CIE Lab	33.00, 65.64, -96.61
CIE LCh	33, 116.801, 304.194
Yxy	7.5373, 0.1544, 0.0721
Android (android.graphics.Color)	4279051757 (0xFF0D25ED)
YUV	52.6240, 90.8974, -34.7502
Hunter-Lab	27.4541, 56.8581, -155.3454

Details

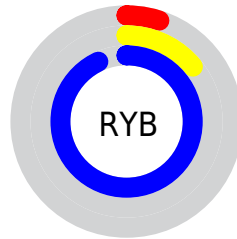
The CIELCh color **33, 116.801, 304.194** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **85, 84.138, 95.696**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 95.888, 304.097**, and **21, 102.604, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 121.180, 305.059**, and if you desaturate by 10%, it is **37, 106.029, 302.041**.

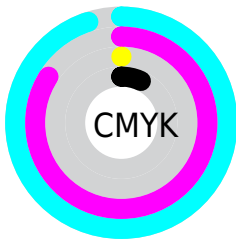
Distribution



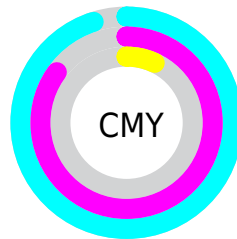
- Red (5%)
- Green (15%)
- Blue (93%)



- Red (5%)
- Yellow (14%)
- Blue (93%)



- Cyan (95%)
- Magenta (84%)
- Yellow (0%)
- Black (7%)





- Cyan (95%)
- Magenta (85%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 116.801, 304.194 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, 116.801, 304.194 by changing the saturation by 10% instead.


 33, 116.801,
304.194


 33, 116.801,
304.194


 100, 116.801,
304.194


 23, 116.801,
304.194


 53, 116.801,
304.194


 13, 116.801,
304.194


 63, 116.801,
304.194

 3, 116.801,
304.194

 73, 116.801,
304.194

 0, 116.801,
304.194

 83, 116.801,
304.194

 93, 116.801,
304.194

■ 33, 116.801,
304.194

■ 33, 116.801,
304.194

■ 31, 121.180,
305.059

■ 37, 106.029,
302.041

■ 42, 93.113,
299.495

■ 49, 79.484,
296.867

■ 55, 65.940,
294.381

■ 62, 52.805,
292.148

■ 69, 40.166,
290.202

■ 76, 28.017,
288.535

■ 83, 16.323,

287.115

■ 91, 5.049, 285.921

Harmonies

Complementary

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



33, 116.801, 304.194



85, 84.138, 95.696

Rectangle

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



33, 116.801, 304.194



33, 116.801, 354.194



33, 116.801, 124.194



33, 116.801, 174.194

Sweetspot

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



33, 116.803, 304.195



79, 34.067, 289.093



85, 52.518, 180.676



39, 23.713, 289.823



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, 116.803, 304.195



34, 128.300, 305.119



36, 118.662, 309.664



45, 6.248, 286.475



23, 98.023, 304.779



4, 33.054, 295.667

Inverse Universe

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



50, 90.680, 33.881



53, 99.720, 36.315



86, 97.908, 123.272



46, 4.945, 11.217



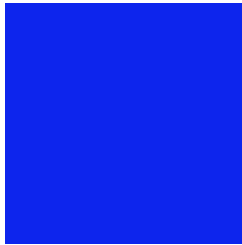
38, 76.241, 35.345



7, 28.128, 18.285

Previews

White Background



This preview shows how the CIE LCh color 33, 116.801, 304.194 looks on a white background.

Color Contrast Check

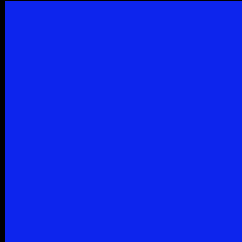
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.801, 304.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

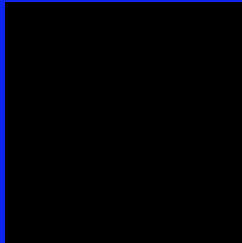
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 116.801, 304.194

Background



This preview shows how black text looks on a background with the CIELCh color 33, 116.801, 304.194.



This preview shows how white text looks on a background with the CIELCh color 33, 116.801, 304.194.

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, 116.785, 304.207

Protanopia

32, 51.947, 285.871

Deuteranopia

33, 34.939, 269.950

Trichromacy



Original Color
33, 116.785, 304.207

Protanomaly
32, 77.825, 297.058

Deuteranomaly
31, 66.737, 293.953

Monochromacy



Original Color
33, 116.785, 304.207

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 48.181, 296.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 116.801, 304.194 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(13, 37, 237)` looks like.

```
.text, #text, p{  
    color:rgb(13, 37, 237)  
}
```

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(13, 37, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 37, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 116.801, 304.194 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(13, 37, 237) }
```

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

```
.border{ border-color:rgb(13, 37, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 37, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 37, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 37, 237);  
box-shadow:4px 4px 4px 4px rgb(13, 37,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 116.801, 304.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 37, 237) }
```

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

```
.background{ background-color: rgb(13, 37,  
237) }
```

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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