

Converting Colors

CIELCh(33, 116.271, 309.443)

Have a look what the booklet for
CIELCh(33, 116.271, 309.443)
contains.

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Color

CIELCh(33, 116.122, 309.438)

Conversions

Conversions Part 1

Format	Color
Hex	5702E1
RGB	87, 2, 225
RGB Percent	34%, 1%, 88%
CMY	0.6579, 0.9906, 0.1169
CMYK	0.61, 0.99, 0.00, 0.12
HSL	263°, 98%, 45%
HSV	263°, 99%, 88%
XYZ	17.5970, 7.5373, 71.9042
YIQ	52.8370, -20.9230, 87.3730

Conversions

Conversions Part 2

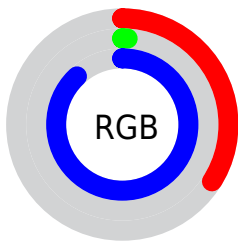
Format	Color
R _{YB}	87, 2, 225
Decimal	5702369
CIE Lab	33.00, 73.77, -89.68
CIE LCh	33, 116.122, 309.438
Yxy	7.5373, 0.1813, 0.0777
Android (android.graphics.Color)	4283892449 (0xFF5702E1)
YUV	52.8370, 84.8764, 29.9610
Hunter-Lab	27.4541, 66.3666, -136.0669

Details

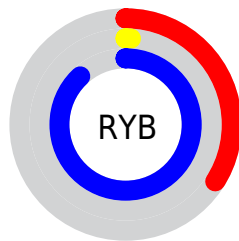
The CIELCh color **33, 116.122, 309.438** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **82, 95.313, 123.636**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 102.181, 310.806**, and **19, 97.899, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 116.642, 309.401**, and if you desaturate by 10%, it is **36, 110.571, 309.796**.

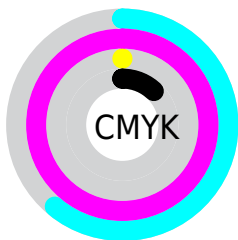
Distribution



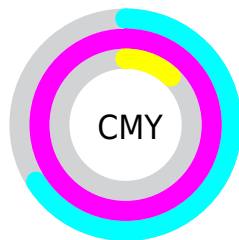
- Red (34%)
- Green (1%)
- Blue (88%)



- Red (34%)
- Yellow (1%)
- Blue (88%)



- Cyan (61%)
- Magenta (99%)
- Yellow (0%)
- Black (12%)





- Cyan (66%)
- Magenta (99%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 116.122, 309.438 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, 116.122, 309.438 by changing the saturation by 10% instead.


 33, 116.122,
309.438


 33, 116.122,
309.438


 100, 116.122,
309.438


 23, 116.122,
309.438


 53, 116.122,
309.438


 13, 116.122,
309.438


 63, 116.122,
309.438

 3, 116.122,
309.438

 73, 116.122,
309.438

 0, 116.122,
309.438

 83, 116.122,
309.438

 93, 116.122,
309.438

■ 33, 116.122,
309.438

■ 33, 116.122,
309.438

■ 33, 116.642,
309.401

■ 36, 110.571,
309.796

■ 40, 101.707,
309.715

■ 45, 90.273,
309.281

■ 51, 77.383,
308.645

■ 57, 63.872,
307.924

■ 63, 50.256,
307.192

■ 70, 36.825,
306.492

■ 77, 23.724,

305.845

■ 84, 11.015,
305.259

Harmonies

Complementary

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



33, 116.122, 309.438



82, 95.313, 123.636

Rectangle

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



33, 116.122, 309.438



33, 116.122, 359.438



33, 116.122, 129.438



33, 116.122, 179.438

Sweetspot

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



33, 116.123, 309.439



78, 42.309, 306.578



57, 50.254, 267.672



38, 29.044, 306.872



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, 116.123, 309.439



37, 128.236, 309.330



48, 106.070, 323.082



44, 6.985, 305.288



25, 96.805, 309.570



3, 32.697, 305.899

Inverse Universe

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



49, 80.042, 351.379



56, 87.856, 351.903



79, 107.842, 135.396



44, 6.239, 338.414



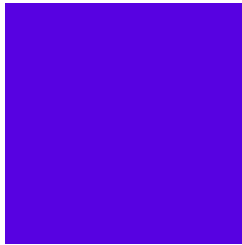
38, 66.796, 351.153



7, 27.988, 346.331

Previews

White Background



This preview shows how the CIELCh color 33, 116.122, 309.438 looks on a white background.

Color Contrast Check

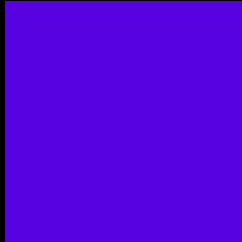
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.122, 309.438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

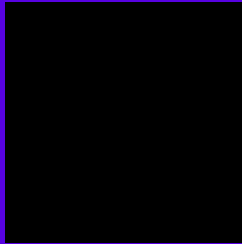
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 116.122, 309.438

Background



This preview shows how black text looks on a background with the CIELCh color 33, 116.122, 309.438.



This preview shows how white text looks on a background with the CIELCh color 33, 116.122, 309.438.

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, 116.122, 309.438

Protanopia

33, 52.968, 285.911

Deuteranopia

33, 36.517, 271.571



Tritanopia
34, 22.111, 208.288

Trichromacy



Original Color
33, 116.122, 309.438

Protanomaly
29, 83.952, 301.110

Deuteranomaly
28, 73.254, 299.252

Tritanomaly
27, 54.692, 294.471

Monochromacy



Original Color
33, 116.122, 309.438

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 53.327, 308.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 116.122, 309.438 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(87, 2, 225)` looks like.

```
.text, #text, p{  
    color:rgb(87, 2, 225)  
}
```

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(87, 2, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 2, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 116.122, 309.438 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(87, 2, 225) }
```

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

```
.border{ border-color:rgb(87, 2, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 2, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 2, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 2, 225);  
box-shadow:4px 4px 4px 4px rgb(87, 2, 225)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 116.122, 309.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 2, 225) }
```

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

```
.background{ background-color: rgb(87, 2,  
225) }
```

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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