

Converting Colors

CIELCh(33, 111.711, 308.635)

Have a look what the booklet for
CIELCh(33, 111.711, 308.635)
contains.

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Color

CIELCh(33, 111.791, 308.633)

Conversions

Conversions Part 1

Format	Color
Hex	5313DD
RGB	83, 19, 221
RGB Percent	33%, 7%, 87%
CMY	0.6741, 0.9251, 0.1330
CMYK	0.62, 0.91, 0.00, 0.13
HSL	259°, 84%, 47%
HSV	259°, 91%, 87%
XYZ	16.8715, 7.5373, 69.0259
YIQ	61.1640, -26.6980, 76.3900

Conversions

Conversions Part 2

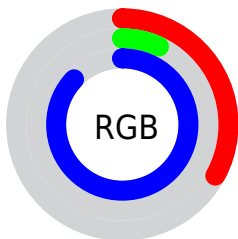
Format	Color
RYB	83, 19, 221
Decimal	5444573
CIELab	33.00, 69.79, -87.33
CIELCh	33, 111.791, 308.633
Yxy	7.5373, 0.1806, 0.0807
Android (android.graphics.Color)	4283634653 (0xFF5313DD)
YUV	61.1640, 78.7991, 19.1502
Hunter-Lab	27.4541, 61.6498, -129.8507

Details

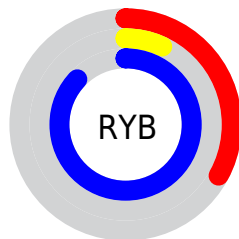
The CIELCh color **33, 111.791, 308.633** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **81, 89.803, 119.980**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 99.319, 309.628**, and **19, 96.174, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 116.406, 308.443**, and if you desaturate by 10%, it is **37, 103.426, 308.466**.

Distribution



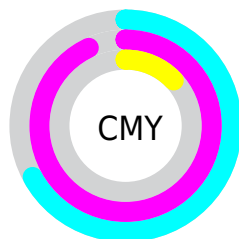
- Red (33%)
- Green (7%)
- Blue (87%)



- Red (33%)
- Yellow (7%)
- Blue (87%)



- Cyan (62%)
- Magenta (91%)
- Yellow (0%)
- Black (13%)





- Cyan (67%)
- Magenta (93%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 111.791, 308.633 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, 111.791, 308.633 by changing the saturation by 10% instead.


 33, 111.791,
308.633


 33, 111.791,
308.633


 100, 111.791,
308.633


 23, 111.791,
308.633


 53, 111.791,
308.633


 13, 111.791,
308.633


 63, 111.791,
308.633

 3, 111.791,
308.633

 73, 111.791,
308.633

 0, 111.791,
308.633

 83, 111.791,
308.633

 93, 111.791,
308.633

■ 33, 111.791,
308.633

■ 33, 111.791,
308.633

■ 31, 116.406,
308.443

■ 37, 103.426,
308.466

■ 42, 92.229,
307.898

■ 48, 79.443,
307.104

■ 54, 66.007,
306.225

■ 60, 52.488,
305.348

■ 67, 39.185,
304.521

■ 74, 26.243,
303.768

■ 80, 13.716,

303.094

■ 87, 1.620, 302.471

Harmonies

Complementary

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



33, 111.791, 308.633



81, 89.803, 119.980

Rectangle

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



33, 111.791, 308.633



33, 111.791, 358.633



33, 111.791, 128.633



33, 111.791, 178.633

Sweetspot

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



33, 111.792, 308.634



80, 37.622, 304.200



61, 43.114, 255.468



40, 25.496, 304.466



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, 111.792, 308.634



36, 129.784, 308.369



47, 103.196, 321.594



42, 6.788, 302.973



23, 96.912, 308.595



3, 30.244, 302.912

Inverse Universe

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



50, 81.418, 344.638



56, 90.998, 346.625



78, 103.116, 134.671



43, 6.407, 335.596



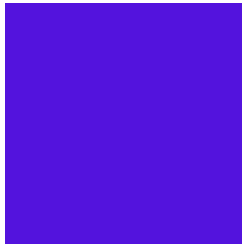
38, 68.470, 346.035



6, 27.717, 342.224

Previews

White Background



This preview shows how the CIELCh color 33, 111.791, 308.633 looks on a white background.

Color Contrast Check

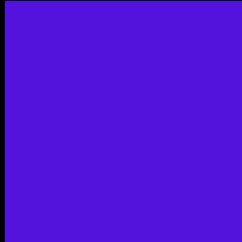
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.791, 308.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

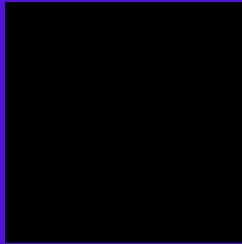
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 111.791, 308.633

Background



This preview shows how black text looks on a background with the CIELCh color 33, 111.791, 308.633.



This preview shows how white text looks on a background with the CIELCh color 33, 111.791, 308.633.

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, 111.791, 308.633

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 36.516, 271.941



Tritanopia
33, 22.166, 206.551

Trichromacy



Original Color
33, 111.791, 308.633

Protanomaly
30, 78.621, 299.330

Deuteranomaly
30, 68.185, 297.017

Tritanomaly
28, 50.098, 291.105

Monochromacy



Original Color
33, 111.791, 308.633

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 47.840, 306.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 111.791, 308.633 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(83, 19, 221)` looks like.

```
.text, #text, p{  
    color:rgb(83, 19, 221)  
}
```

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(83, 19, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 19, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 111.791, 308.633 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(83, 19, 221) }
```

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

```
.border{ border-color:rgb(83, 19, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 19, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 19, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 19, 221);  
box-shadow:4px 4px 4px 4px rgb(83, 19,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 111.791, 308.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 19, 221) }
```

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

```
.background{ background-color: rgb(83, 19,  
221) }
```

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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