

Converting Colors

CIELCh(33, 111.667, 310.737)

Have a look what the booklet for
CIELCh(33, 111.667, 310.737)
contains.

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Color

CIELCh(33, 111.317, 310.781)

Conversions

Conversions Part 1

Format	Color
Hex	6200D8
RGB	98, 0, 216
RGB Percent	38%, 0%, 85%
CMY	0.6162, 1.0000, 0.1534
CMYK	0.55, 1.00, 0.00, 0.15
HSL	267°, 100%, 42%
HSV	267°, 100%, 85%
XYZ	17.4019, 7.5373, 65.4307
YIQ	53.9260, -10.9280, 87.9520

Conversions

Conversions Part 2

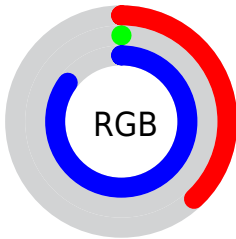
Format	Color
R_{YB}	98, 0, 216
Decimal	6422744
CIE _{Lab}	33.00, 72.71, -84.29
CIE _{LCh}	33, 111.317, 310.781
Yxy	7.5373, 0.1926, 0.0834
Android (android.graphics.Color)	4284612824 (0xFF6200D8)
YUV	53.9260, 79.9025, 38.6529
Hunter-Lab	27.4541, 65.0984, -122.0865

Details

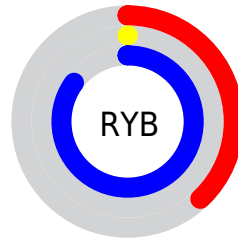
The CIELCh color **33, 111.317, 310.781** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **78, 94.896, 126.587**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 101.918, 311.962**, and **18, 93.767, 306.443** is the 20% darker color. If you saturate the color by 10%, you get **33, 111.283, 310.775**, and if you desaturate by 10%, it is **36, 106.364, 311.280**.

Distribution



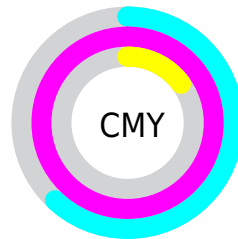
- Red (38%)
- Green (0%)
- Blue (85%)



- Red (38%)
- Yellow (0%)
- Blue (85%)



- Cyan (55%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (62%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 111.317, 310.781 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, 111.317, 310.781 by changing the saturation by 10% instead.


 33, 111.317,
310.781


 33, 111.317,
310.781


 100, 111.317,
310.781


 23, 111.317,
310.781


 53, 111.317,
310.781


 13, 111.317,
310.781


 63, 111.317,
310.781

 3, 111.317,
310.781

 73, 111.317,
310.781

 0, 111.317,
310.781

 83, 111.317,
310.781

 93, 111.317,
310.781

■ 33, 111.317,
310.781

■ 33, 111.317,
310.781

■ 33, 111.283,
310.775

■ 36, 106.364,
311.280

■ 39, 98.556,
311.410

■ 44, 88.173,
311.188

■ 49, 76.182,
310.744

■ 55, 63.381,
310.184

■ 61, 50.313,
309.581

■ 67, 37.301,
308.982

■ 74, 24.528,

308.414

■ 80, 12.084,
307.887

Harmonies

Complementary

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



33, 111.317, 310.781



78, 94.896, 126.587

Rectangle

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



33, 111.317, 310.781



33, 111.317, 0.781



33, 111.317, 130.781



33, 111.317, 180.781

Sweetspot

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



33, 111.283, 310.775



78, 42.711, 308.999



50, 58.091, 279.242



38, 29.292, 309.252



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, 111.283, 310.775



39, 126.323, 310.670



49, 102.191, 326.252



42, 6.808, 307.857



25, 93.298, 310.953



3, 28.693, 306.621

Inverse Universe

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



47, 75.446, 358.072



55, 85.444, 358.471



76, 105.385, 135.845



42, 5.708, 341.931



37, 63.506, 357.408



5, 24.052, 351.070

Previews

White Background



This preview shows how the CIELCh color 33, 111.317, 310.781 looks on a white background.

Color Contrast Check

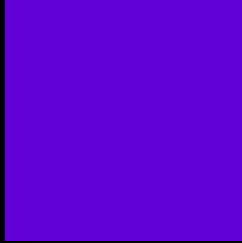
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.317, 310.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

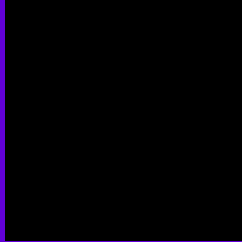
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 111.317, 310.781

Background



This preview shows how black text looks on a background with the CIELCh color 33, 111.317, 310.781.



This preview shows how white text looks on a background with the CIELCh color 33, 111.317, 310.781.

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, 111.317, 310.781

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 37.046, 271.835



Tritanopia
34, 11.531, 220.645

Trichromacy



Original Color
33, 111.317, 310.781

Protanomaly
29, 82.227, 301.210

Deuteranomaly
28, 72.032, 299.446

Tritanomaly
29, 53.162, 304.295

Monochromacy



Original Color
33, 111.317, 310.781

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 52.126, 311.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 111.317, 310.781 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(98, 0, 216)` looks like.

```
.text, #text, p{  
  color:rgb(98, 0, 216)  
}
```

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(98, 0, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 0, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 111.317, 310.781 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(98, 0, 216) }
```

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

```
.border{ border-color:rgb(98, 0, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 0, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(98, 0, 216)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 111.317, 310.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 0, 216) }
```

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

```
.background{ background-color: rgb(98, 0,  
216) }
```

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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