

Converting Colors

CIELCh(33, 106.773, 311.756)

Have a look what the booklet for
CIELCh(33, 106.773, 311.756)
contains.

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Color

CIELCh(33, 106.800, 311.748)

Conversions

Conversions Part 1

Format	Color
Hex	6802D0
RGB	104, 2, 208
RGB Percent	41%, 1%, 82%
CMY	0.5922, 0.9923, 0.1844
CMYK	0.50, 0.99, 0.00, 0.18
HSL	270°, 98%, 41%
HSV	270°, 99%, 82%
XYZ	17.1102, 7.5373, 60.2151
YIQ	55.9820, -5.3340, 85.6900

Conversions

Conversions Part 2

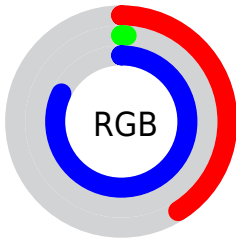
Format	Color
RYB	104, 2, 208
Decimal	6816464
CIELab	33.00, 71.11, -79.68
CIELCh	33, 106.800, 311.748
Yxy	7.5373, 0.2016, 0.0888
Android (android.graphics.Color)	4285006544 (0xFF6802D0)
YUV	55.9820, 74.9449, 42.1118
Hunter-Lab	27.4541, 63.2017, -110.8229

Details

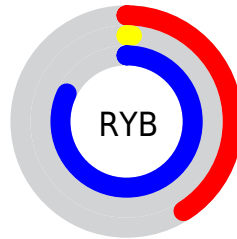
The CIELCh color **33, 106.800, 311.748** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **75, 93.210, 127.918**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 101.326, 312.473**, and **18, 89.401, 307.398** is the 20% darker color. If you saturate the color by 10%, you get **33, 107.211, 311.699**, and if you desaturate by 10%, it is **36, 102.000, 312.284**.

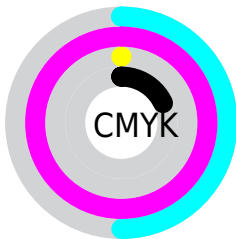
Distribution



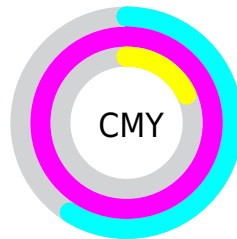
- Red (41%)
- Green (1%)
- Blue (82%)



- Red (41%)
- Yellow (1%)
- Blue (82%)



- Cyan (50%)
- Magenta (99%)
- Yellow (0%)
- Black (18%)





- Cyan (59%)
- Magenta (99%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 106.800, 311.748 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, 106.800, 311.748 by changing the saturation by 10% instead.


 33, 106.800,
311.748


 33, 106.800,
311.748


 100, 106.800,
311.748


 23, 106.800,
311.748


 53, 106.800,
311.748


 13, 106.800,
311.748


 63, 106.800,
311.748

 3, 106.800,
311.748

 73, 106.800,
311.748

 0, 106.800,
311.748

 83, 106.800,
311.748

 93, 106.800,
311.748

■ 33, 106.800,
311.748

■ 33, 106.800,
311.748

■ 33, 107.211,
311.699

■ 36, 102.000,
312.284

■ 39, 94.393,
312.447

■ 43, 84.381,
312.281

■ 48, 72.836,
311.902

■ 54, 60.489,
311.408

■ 60, 47.849,
310.865

■ 66, 35.229,
310.317

■ 72, 22.812,

309.790

■ 78, 10.694,
309.296

Harmonies

Complementary

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



33, 106.800, 311.748



75, 93.210, 127.918

Rectangle

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



33, 106.800, 311.748



33, 106.800, 1.748



33, 106.800, 131.748



33, 106.800, 181.748

Sweetspot

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



33, 106.801, 311.749



78, 42.974, 310.387



46, 59.784, 282.371



39, 29.456, 310.620



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, 106.801, 311.749



41, 125.182, 311.566



49, 98.998, 327.568



41, 6.729, 309.312



26, 91.438, 311.867



3, 26.716, 307.296

Inverse Universe

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



45, 72.571, 1.545



55, 84.684, 2.478



73, 102.419, 135.989



41, 5.438, 344.130



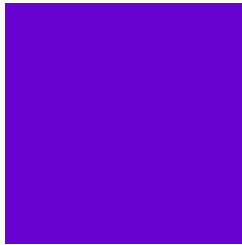
36, 62.170, 1.224



5, 21.861, 353.635

Previews

White Background



This preview shows how the CIELCh color 33, 106.800, 311.748 looks on a white background.

Color Contrast Check

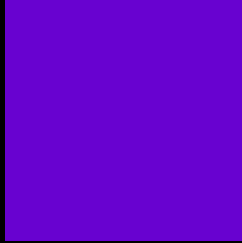
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 33, 106.800, 311.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

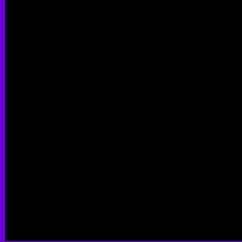
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 106.800, 311.748

Background



This preview shows how black text looks on a background with the CIELCh color 33, 106.800, 311.748.



This preview shows how white text looks on a background with the CIELCh color 33, 106.800, 311.748.

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, 106.800, 311.748

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 37.046, 271.835



Tritanopia
34, 5.748, 240.070

Trichromacy



Original Color
33, 106.800, 311.748

Protanomaly
29, 79.926, 300.961

Deuteranomaly
28, 69.624, 299.107

Tritanomaly
29, 50.894, 308.540

Monochromacy



Original Color
33, 106.800, 311.748

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 49.726, 312.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 106.800, 311.748 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(104, 2, 208)` looks like.

```
.text, #text, p{  
    color:rgb(104, 2, 208)  
}
```

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(104, 2, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 2, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 106.800, 311.748 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(104, 2, 208) }
```

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

```
.border{ border-color:rgb(104, 2, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 2, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 2, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 2, 208);  
box-shadow:4px 4px 4px 4px rgb(104, 2,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 106.800, 311.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 2, 208) }
```

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

```
.background{ background-color: rgb(104, 2,  
208) }
```

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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