

Converting Colors

CIELCh(33, 104.818, 312.572)

Have a look what the booklet for
CIELCh(33, 104.818, 312.572)
contains.

CIELCh(33, 104.875, 312.511)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(33, 104.875, 312.511)

Conversions

Conversions Part 1

Format	Color
Hex	6C00CC
RGB	108, 0, 204
RGB Percent	42%, 0%, 80%
CMY	0.5767, 1.0000, 0.2003
CMYK	0.47, 1.00, 0.00, 0.20
HSL	272°, 100%, 40%
HSV	272°, 100%, 80%
XYZ	17.0655, 7.5373, 57.6413
YIQ	55.5480, -1.1160, 86.3400

Conversions

Conversions Part 2

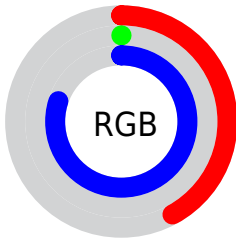
Format	Color
RYB	108, 0, 204
Decimal	7078092
CIELab	33.00, 70.87, -77.31
CIElCh	33, 104.875, 312.511
Yxy	7.5373, 0.2075, 0.0916
Android (android.graphics.Color)	4285268172 (0xFF6C00CC)
YUV	55.5480, 73.1868, 46.0004
Hunter-Lab	27.4541, 62.9111, -105.2647

Details

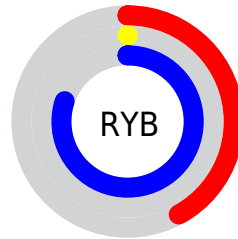
The CIELCh color **33, 104.875, 312.511** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **73, 93.149, 129.087**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 101.217, 313.080**, and **18, 86.805, 308.110** is the 20% darker color. If you saturate the color by 10%, you get **33, 104.854, 312.508**, and if you desaturate by 10%, it is **35, 100.419, 313.085**.

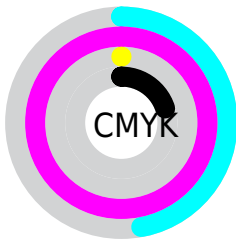
Distribution



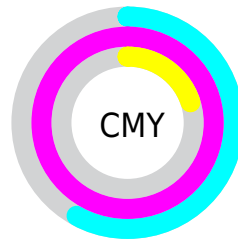
- Red (42%)
- Green (0%)
- Blue (80%)



- Red (42%)
- Yellow (0%)
- Blue (80%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (58%)
- Magenta (100%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 104.875, 312.511 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, 104.875, 312.511 by changing the saturation by 10% instead.


 33, 104.875,
312.511


 33, 104.875,
312.511


 100, 104.875,
312.511


 23, 104.875,
312.511


 53, 104.875,
312.511


 13, 104.875,
312.511


 63, 104.875,
312.511

 3, 104.875,
312.511

 73, 104.875,
312.511

 0, 104.875,
312.511

 83, 104.875,
312.511

 93, 104.875,
312.511

■ 33, 104.875,
312.511

■ 33, 104.875,
312.511

■ 33, 104.854,
312.508

■ 35, 100.419,
313.085

■ 39, 93.407,
313.330

■ 43, 83.950,
313.245

■ 48, 72.859,
312.939

■ 53, 60.855,
312.502

■ 58, 48.464,
312.004

■ 64, 36.024,
311.490

■ 70, 23.736,

310.987

■ 76, 11.712,
310.508

Harmonies

Complementary

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



33, 104.875, 312.511



73, 93.149, 129.087

Rectangle

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



33, 104.875, 312.511



33, 104.875, 2.511



33, 104.875, 132.511



33, 104.875, 182.511

Sweetspot

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



33, 104.854, 312.508



79, 43.205, 311.510



43, 63.519, 285.984



39, 29.601, 311.730



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, 104.854, 312.508



42, 124.250, 312.360



48, 96.383, 328.909



40, 6.640, 310.480



26, 89.747, 312.675



3, 24.690, 307.753

Inverse Universe

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



44, 71.367, 5.142



55, 84.432, 5.815



72, 100.920, 136.136



40, 5.210, 346.013



35, 61.206, 4.392



4, 19.642, 355.338

Previews

White Background



This preview shows how the CIELCh color 33, 104.875, 312.511 looks on a white background.

Color Contrast Check

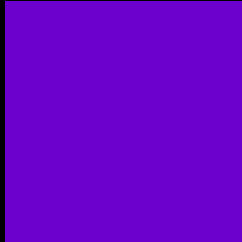
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.875, 312.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

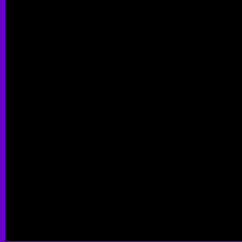
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 104.875, 312.511

Background



This preview shows how black text looks on a background with the CIELCh color 33, 104.875, 312.511.



This preview shows how white text looks on a background with the CIELCh color 33, 104.875, 312.511.

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, 104.875, 312.511

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.576, 272.452



Tritanopia
34, 4.411, 285.529

Trichromacy



Original Color
33, 104.875, 312.511

Protanomaly
29, 79.968, 301.223

Deuteranomaly
28, 70.256, 299.516

Tritanomaly
29, 51.149, 311.853

Monochromacy



Original Color
33, 104.875, 312.511

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 49.160, 313.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 104.875, 312.511 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(108, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(108, 0, 204)  
}
```

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(108, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 0, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 104.875, 312.511 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(108, 0, 204) }
```

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

```
.border{ border-color:rgb(108, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(108, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(108, 0,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 104.875, 312.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 0, 204) }
```

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

```
.background{ background-color: rgb(108, 0,  
204) }
```

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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