

Converting Colors

CIELCh(33, 104.696, 312.704)

Have a look what the booklet for
CIELCh(33, 104.696, 312.704)
contains.

CIELCh(33, 104.317, 312.698)	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, 104.317, 312.698)

Conversions

Conversions Part 1

Format	Color
Hex	6D00CB
RGB	109, 0, 203
RGB Percent	43%, 0%, 80%
CMY	0.5732, 1.0000, 0.2045
CMYK	0.46, 1.00, 0.00, 0.20
HSL	272°, 100%, 40%
HSV	272°, 100%, 80%
XYZ	17.0425, 7.5373, 56.9581
YIQ	55.7330, -0.1990, 86.2410

Conversions

Conversions Part 2

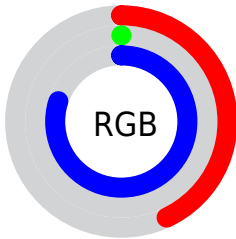
Format	Color
RYB	109, 0, 203
Decimal	7143627
CIELab	33.00, 70.74, -76.67
CIELCh	33, 104.317, 312.698
Yxy	7.5373, 0.2090, 0.0924
Android (android.graphics.Color)	4285333707 (0xFF6D00CB)
YUV	55.7330, 72.6026, 46.7152
Hunter-Lab	27.4541, 62.7619, -103.7891

Details

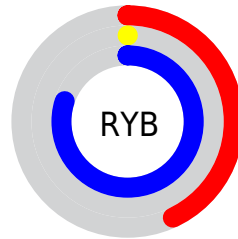
The CIELCh color **33, 104.317, 312.698** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **73, 92.982, 129.303**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 101.217, 313.080**, and **18, 86.152, 308.306** is the 20% darker color. If you saturate the color by 10%, you get **33, 104.265, 312.689**, and if you desaturate by 10%, it is **35, 99.877, 313.271**.

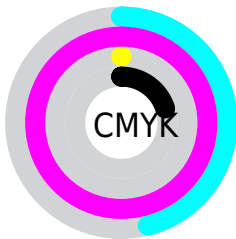
Distribution



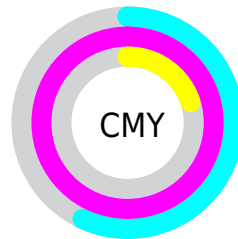
- Red (43%)
- Green (0%)
- Blue (80%)



- Red (43%)
- Yellow (0%)
- Blue (80%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)




- Cyan (57%)
- Magenta (100%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 104.317, 312.698 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, 104.317, 312.698 by changing the saturation by 10% instead.


 33, 104.317,
312.698


 33, 104.317,
312.698


 100, 104.317,
312.698


 23, 104.317,
312.698


 53, 104.317,
312.698


 13, 104.317,
312.698


 63, 104.317,
312.698

 3, 104.317,
312.698

 73, 104.317,
312.698

 0, 104.317,
312.698

 83, 104.317,
312.698

 93, 104.317,
312.698

■ 33, 104.317,
312.698

■ 33, 104.317,
312.698

■ 33, 104.265,
312.689

■ 35, 99.877,
313.271

■ 39, 92.939,
313.523

■ 43, 83.567,
313.449

■ 47, 72.558,
313.153

■ 53, 60.627,
312.726

■ 58, 48.298,
312.237

■ 64, 35.909,
311.729

■ 70, 23.665,

311.231

■ 76, 11.679,
310.756

Harmonies

Complementary

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



33, 104.317, 312.698



73, 92.982, 129.303

Rectangle

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



33, 104.317, 312.698



33, 104.317, 2.698



33, 104.317, 132.698



33, 104.317, 182.698

Sweetspot

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



33, 104.265, 312.689



79, 43.256, 311.749



42, 65.350, 287.466



39, 29.633, 311.966



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, 104.265, 312.689



42, 124.051, 312.537



48, 94.743, 329.611



40, 6.650, 310.729



26, 89.607, 312.852



3, 24.729, 308.036

Inverse Universe

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



43, 71.061, 5.833



55, 84.423, 6.534



71, 100.220, 136.257



40, 5.185, 346.427



35, 61.177, 5.088



4, 19.578, 355.782

Previews

White Background



This preview shows how the CIELCh color 33, 104.317, 312.698 looks on a white background.

Color Contrast Check

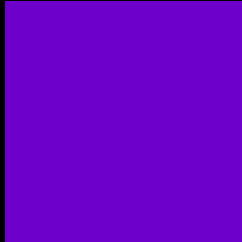
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.317, 312.698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

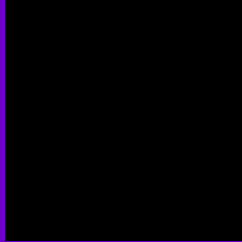
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 104.317, 312.698

Background



This preview shows how black text looks on a background with the CIELCh color 33, 104.317, 312.698.



This preview shows how white text looks on a background with the CIELCh color 33, 104.317, 312.698.

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, 104.317, 312.698

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.576, 272.452



Tritanopia
34, 3.770, 290.835

Trichromacy



Original Color
33, 104.317, 312.698

Protanomaly
29, 79.938, 301.306

Deuteranomaly
28, 69.662, 299.549

Tritanomaly
29, 50.609, 312.401

Monochromacy



Original Color
33, 104.317, 312.698

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 48.594, 313.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 104.317, 312.698 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(109, 0, 203)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 203)  
}
```

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(109, 0, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 104.317, 312.698 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(109, 0, 203) }
```

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

```
.border{ border-color:rgb(109, 0, 203) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 104.317, 312.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 203) }
```

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

```
.background{ background-color: rgb(109, 0,  
203) }
```

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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