

Converting Colors

CIELCh(33, 105.127, 312.247)

Have a look what the booklet for
CIELCh(33, 105.127, 312.247)
contains.

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Color

CIELCh(33, 105.127, 312.271)

Conversions

Conversions Part 1

Format	Color
Hex	6B01CD
RGB	107, 1, 205
RGB Percent	42%, 0%, 80%
CMY	0.5814, 0.9943, 0.1970
CMYK	0.48, 0.99, 0.00, 0.20
HSL	271°, 99%, 40%
HSV	271°, 99%, 80%
XYZ	17.0374, 7.5373, 58.1587
YIQ	55.9500, -2.3080, 85.9160

Conversions

Conversions Part 2

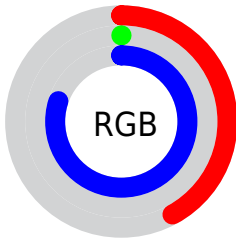
Format	Color
RYB	107, 1, 205
Decimal	7012813
CIELab	33.00, 70.71, -77.79
CIELCh	33, 105.127, 312.271
Yxy	7.5373, 0.2059, 0.0911
Android (android.graphics.Color)	4285202893 (0xFF6B01CD)
YUV	55.9500, 73.4817, 44.7708
Hunter-Lab	27.4541, 62.7284, -106.3820

Details

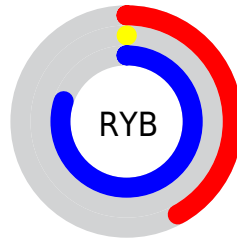
The CIELCh color **33, 105.127, 312.271** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **74, 92.855, 128.664**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 101.243, 312.928**, and **18, 87.449, 307.928** is the 20% darker color. If you saturate the color by 10%, you get **33, 105.432, 312.233**, and if you desaturate by 10%, it is **35, 100.515, 312.831**.

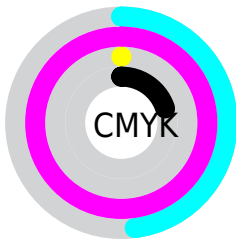
Distribution



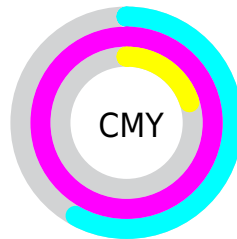
- Red (42%)
- Green (0%)
- Blue (80%)



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



- Cyan (48%)
- Magenta (99%)
- Yellow (0%)
- Black (20%)





- Cyan (58%)
- Magenta (99%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 105.127, 312.271 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, 105.127, 312.271 by changing the saturation by 10% instead.


 33, 105.127,
312.271


 33, 105.127,
312.271


 100, 105.127,
312.271


 23, 105.127,
312.271


 53, 105.127,
312.271


 13, 105.127,
312.271


 63, 105.127,
312.271

 3, 105.127,
312.271

 73, 105.127,
312.271

 0, 105.127,
312.271

 83, 105.127,
312.271

 93, 105.127,
312.271

■ 33, 105.127,
312.271

■ 33, 105.127,
312.271

■ 33, 105.432,
312.233

■ 35, 100.515,
312.831

■ 39, 93.205,
313.033

■ 43, 83.500,
312.911

■ 48, 72.230,
312.575

■ 53, 60.113,
312.116

■ 59, 47.657,
311.602

■ 65, 35.187,
311.077

■ 71, 22.890,

310.568

■ 77, 10.873,
310.086

Harmonies

Complementary

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



33, 105.127, 312.271



74, 92.855, 128.664

Rectangle

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



33, 105.127, 312.271



33, 105.127, 2.271



33, 105.127, 132.271



33, 105.127, 182.271

Sweetspot

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



33, 105.127, 312.272



79, 43.126, 311.135



43, 63.250, 285.699



39, 29.551, 311.359



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, 105.127, 312.272



41, 124.561, 312.088



49, 96.548, 328.901



40, 6.624, 310.091



26, 89.966, 312.403



3, 24.631, 307.316

Inverse Universe

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



44, 71.534, 3.751



55, 84.479, 4.692



72, 101.065, 136.159



40, 5.249, 345.372



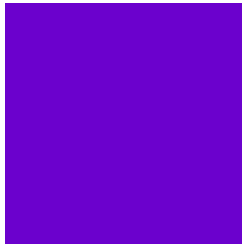
35, 61.273, 3.307



4, 19.747, 354.638

Previews

White Background



This preview shows how the CIELCh color 33, 105.127, 312.271 looks on a white background.

Color Contrast Check

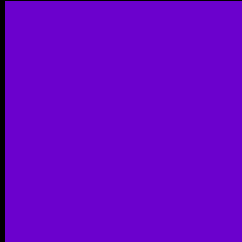
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.127, 312.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

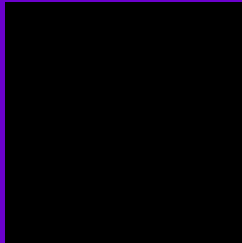
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 105.127, 312.271

Background



This preview shows how black text looks on a background with the CIELCh color 33, 105.127, 312.271.



This preview shows how white text looks on a background with the CIELCh color 33, 105.127, 312.271.

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, 105.280, 312.300

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.046, 271.835



Tritanopia
34, 4.081, 266.893

Trichromacy



Original Color
33, 105.280, 312.300

Protanomaly
29, 79.898, 301.042

Deuteranomaly
28, 69.029, 299.134

Tritanomaly
29, 50.467, 310.879

Monochromacy



Original Color
33, 105.280, 312.300

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 49.157, 312.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 105.127, 312.271 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(107, 1, 205)` looks like.

```
.text, #text, p{  
    color:rgb(107, 1, 205)  
}
```

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(107, 1, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 1, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 105.127, 312.271 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(107, 1, 205) }
```

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

```
.border{ border-color:rgb(107, 1, 205) }
```

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

Here you see how a box with a 4 pixel rgb(107, 1, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 1, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 1, 205);  
box-shadow:4px 4px 4px 4px rgb(107, 1,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 105.127, 312.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 1, 205) }
```

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

```
.background{ background-color: rgb(107, 1,  
205) }
```

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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