

Converting Colors

CIELCh(33, 85.280, 320.778)

Have a look what the booklet for
CIELCh(33, 85.280, 320.778)
contains.

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Color

CIELCh(33, 85.001, 320.763)

Conversions

Conversions Part 1

Format	Color
Hex	8300A5
RGB	131, 0, 165
RGB Percent	51%, 0%, 65%
CMY	0.4844, 1.0000, 0.3549
CMYK	0.20, 1.00, 0.00, 0.35
HSL	288°, 100%, 32%
HSV	288°, 100%, 65%
XYZ	16.1686, 7.5373, 35.9626
YIQ	57.9790, 25.1110, 79.0870

Conversions

Conversions Part 2

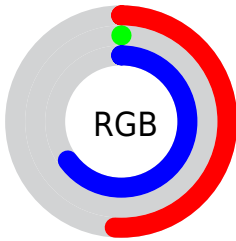
Format	Color
R_{YB}	131, 0, 165
Decimal	8585381
CIE _{Lab}	33.00, 65.84, -53.77
CIE _{LCh}	33, 85.001, 320.763
Yxy	7.5373, 0.2710, 0.1263
Android (android.graphics.Color)	4286775461 (0xFF8300A5)
YUV	57.9790, 52.7614, 64.0394
Hunter-Lab	27.4541, 57.0794, -58.4470

Details

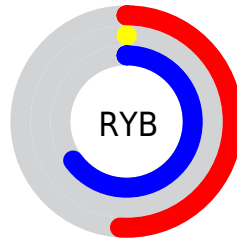
The CIELCh color **33, 85.001, 320.763** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **59, 84.609, 134.561**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 84.868, 320.449**, and **19, 65.477, 316.867** is the 20% darker color. If you saturate the color by 10%, you get **33, 84.820, 320.740**, and if you desaturate by 10%, it is **34, 81.921, 321.119**.

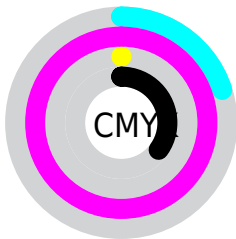
Distribution



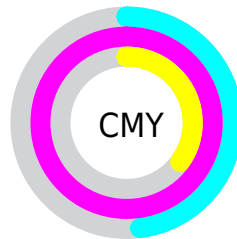
- Red (51%)
- Green (0%)
- Blue (65%)



- Red (51%)
- Yellow (0%)
- Blue (65%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)





- Cyan (48%)
- Magenta (100%)
- Yellow (35%)
- Black (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 85.001, 320.763 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, 85.001, 320.763 by changing the saturation by 10% instead.


 33, 85.001,
320.763


 33, 85.001,
320.763

 100, 85.001,
320.763


 23, 85.001,
320.763

 53, 85.001,
320.763


 13, 85.001,
320.763


 63, 85.001,
320.763

 3, 85.001, 320.763

 73, 85.001,
320.763

 0, 85.001, 320.763

 83, 85.001,
320.763

 93, 85.001,
320.763

■ 33, 85.001,
320.763

■ 33, 85.001,
320.763

■ 33, 84.820,
320.740

■ 34, 81.921,
321.119

■ 36, 77.272,
321.324

■ 39, 70.580,
321.323

■ 42, 62.243,
321.158

■ 46, 52.738,
320.873

■ 50, 42.508,
320.507

■ 54, 31.903,
320.093

■ 58, 21.179,

319.654

■ 63, 10.511,
319.206

Harmonies

Complementary

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



33, 85.001, 320.763



59, 84.609, 134.561

Rectangle

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



33, 85.001, 320.763



33, 85.001, 10.763



33, 85.001, 140.763



33, 85.001, 190.763

Sweetspot

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



33, 84.820, 320.740



69, 39.554, 320.117



23, 82.101, 301.631



34, 26.946, 320.285



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33, 84.820, 320.740



44, 103.290, 320.611



36, 67.324, 343.499



32, 5.903, 319.172



29, 77.436, 320.812



1, 8.993, 317.327

Inverse Universe

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



34, 66.611, 28.876



45, 81.855, 29.982



59, 76.946, 140.831



32, 3.754, 3.975



30, 60.513, 28.248



1, 5.670, 4.644

Previews

White Background



This preview shows how the CIELCh color 33, 85.001, 320.763 looks on a white background.

Color Contrast Check

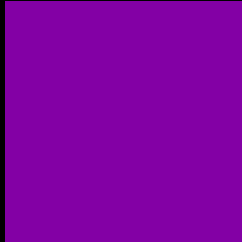
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.001, 320.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

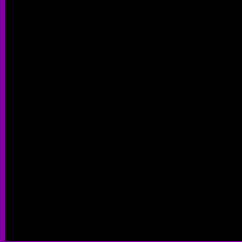
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 85.001, 320.763

Background



This preview shows how black text looks on a background with the CIELCh color 33, 85.001, 320.763.



This preview shows how white text looks on a background with the CIELCh color 33, 85.001, 320.763.

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, 85.076, 320.553

Deuteranopia

34, 40.266, 275.294

Tritanopia

34, 25.112, 17.037

Trichromacy



Original Color
33, 85.076, 320.553

Deuteranomaly
28, 63.114, 299.822

Tritanomaly
31, 46.922, 336.307

Monochromacy



Original Color
33, 85.076, 320.553

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 41.731, 321.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 85.001, 320.763 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(131, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 165)  
}
```

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(131, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 85.001, 320.763 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(131, 0, 165) }
```

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

```
.border{ border-color:rgb(131, 0, 165) }
```

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

Here you see how a box with a 4 pixel rgb(131, 0, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 85.001, 320.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 165) }
```

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

```
.background{ background-color: rgb(131, 0,  
165) }
```

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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