

Converting Colors

CIELCh(33, 68.072, 322.722)

Have a look what the booklet for
CIELCh(33, 68.072, 322.722)
contains.

CIELCh(33, 67.986, 322.579)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 67.986, 322.579)

Conversions

Conversions Part 1

Format	Color
Hex	7E2190
RGB	126, 33, 144
RGB Percent	49%, 13%, 56%
CMY	0.5059, 0.8706, 0.4353
CMYK	0.12, 0.77, 0.00, 0.44
HSL	290°, 63%, 35%
HSV	290°, 77%, 56%
XYZ	14.1825, 7.5373, 27.0936
YIQ	73.4610, 19.7970, 54.2370

Conversions

Conversions Part 2

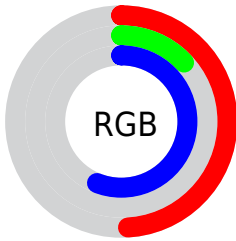
Format	Color
R _Y B	126, 33, 144
Decimal	8266128
CIE Lab	33.00, 53.99, -41.31
CIE LCh	33, 67.986, 322.579
Yxy	7.5373, 0.2905, 0.1544
Android (android.graphics.Color)	4286456208 (0xFF7E2190)
YUV	73.4610, 34.7757, 46.0767
Hunter-Lab	27.4541, 44.1666, -39.2936

Details

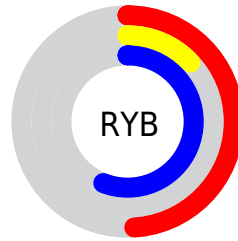
The CIELCh color **33, 67.986, 322.579** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **53, 67.569, 135.208**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 67.969, 322.781**, and **16, 56.429, 320.317** is the 20% darker color. If you saturate the color by 10%, you get **31, 72.718, 322.499**, and if you desaturate by 10%, it is **35, 61.536, 322.490**.

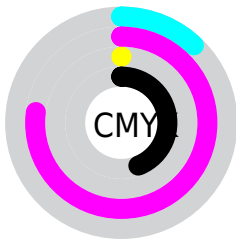
Distribution



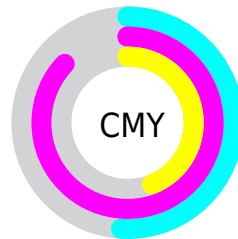
- Red (49%)
- Green (13%)
- Blue (56%)



- Red (49%)
- Yellow (13%)
- Blue (56%)



- Cyan (12%)
- Magenta (77%)
- Yellow (0%)
- Black (44%)





- Cyan (51%)
- Magenta (87%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 67.986, 322.579 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, 67.986, 322.579 by changing the saturation by 10% instead.


 33, 67.986,
322.579


 33, 67.986,
322.579

 100, 67.986,
322.579


 23, 67.986,
322.579

 53, 67.986,
322.579


 13, 67.986,
322.579


 63, 67.986,
322.579

 3, 67.986, 322.579

 73, 67.986,
322.579

 0, 67.986, 322.579

 83, 67.986,
322.579

 93, 67.986,
322.579

■ 33, 67.986,
322.579

■ 33, 67.986,
322.579

■ 31, 72.718,
322.499

■ 35, 61.536,
322.490

■ 30, 75.713,
322.246

■ 38, 53.736,
322.266

■ 30, 76.516,
322.169

■ 42, 44.991,
321.944

■ 45, 35.667,
321.555

■ 49, 26.052,
321.127

■ 53, 16.359,
320.679

■ 57, 6.731, 320.217

■ 61, 2.739, 139.868

■ 65, 11.997,
139.400

Harmonies

Complementary

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



33, 67.986, 322.579



53, 67.569, 135.208

Rectangle

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



33, 67.986, 322.579



33, 67.986, 12.579



33, 67.986, 142.579



33, 67.986, 192.579

Sweetspot

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



33, 67.985, 322.579



64, 27.253, 320.967



26, 59.682, 297.097



32, 19.031, 321.112



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



33, 67.985, 322.579



40, 90.432, 322.334



34, 54.670, 342.841



28, 5.341, 320.316



28, 73.059, 322.203



1, 3.581, 319.928

Inverse Universe

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



32, 49.923, 20.742



40, 70.839, 28.289



53, 56.163, 146.928



28, 3.317, 6.911



27, 58.622, 30.678



0, 2.186, 6.175

Previews

White Background



This preview shows how the CIELCh color 33, 67.986, 322.579 looks on a white background.

Color Contrast Check

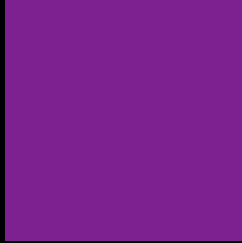
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.986, 322.579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

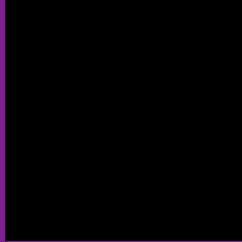
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 67.986, 322.579

Background



This preview shows how black text looks on a background with the CIELCh color 33, 67.986, 322.579.

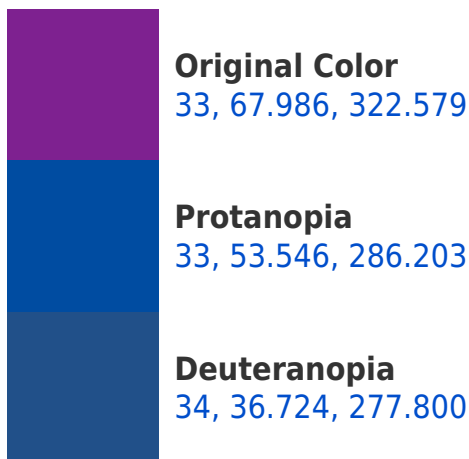


This preview shows how white text looks on a background with the CIELCh color 33, 67.986, 322.579.

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





Tritanopia
33, 24.771, 18.299

Trichromacy



Original Color
33, 67.986, 322.579

Protanomaly
30, 60.112, 297.020

Deuteranomaly
31, 48.765, 299.388

Tritanomaly
32, 37.036, 341.987

Monochromacy



Original Color
33, 67.986, 322.579

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 29.204, 321.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 67.986, 322.579 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(126, 33, 144)` looks like.

```
.text, #text, p{  
    color:rgb(126, 33, 144)  
}
```

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(126, 33, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 33, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 67.986, 322.579 is called "border". The border property can be set on classes, ids or directly on the HTML element.

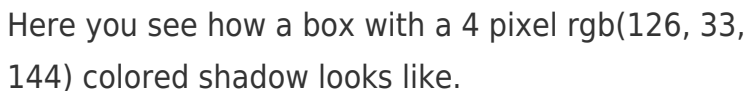
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 33, 144) }
```

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

```
.border{ border-color:rgb(126, 33, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 33, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 33, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 33, 144); box-shadow:4px 4px 4px 4px rgb(126, 33, 144) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 67.986, 322.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 33, 144) }
```

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

```
.background{ background-color: rgb(126, 33,  
144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor