

Converting Colors

CIELCh(33, 86.767, 319.427)

Have a look what the booklet for
CIELCh(33, 86.767, 319.427)
contains.

CIELCh(33, 86.850, 319.469)	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, 86.850, 319.469)

Conversions

Conversions Part 1

Format	Color
Hex	8101A9
RGB	129, 1, 169
RGB Percent	51%, 0%, 66%
CMY	0.4945, 0.9969, 0.3376
CMYK	0.24, 1.00, 0.00, 0.34
HSL	286°, 99%, 33%
HSV	286°, 100%, 66%
XYZ	16.1991, 7.5373, 38.0905
YIQ	58.4240, 22.3600, 79.3840

Conversions

Conversions Part 2

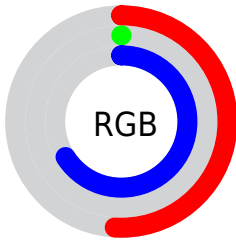
Format	Color
R_{YB}	129, 1, 169
Decimal	8454569
CIE _{Lab}	33.00, 66.01, -56.44
CIE _{LCh}	33, 86.850, 319.469
Yxy	7.5373, 0.2620, 0.1219
Android (android.graphics.Color)	4286644649 (0xFF8101A9)
YUV	58.4240, 54.5140, 61.8952
Hunter-Lab	27.4541, 57.2780, -63.0425

Details

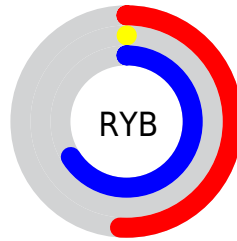
The CIELCh color **33, 86.850, 319.469** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **61, 85.599, 134.076**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 86.635, 319.396**, and **19, 67.660, 315.663** is the 20% darker color. If you saturate the color by 10%, you get **33, 86.988, 319.449**, and if you desaturate by 10%, it is **35, 83.741, 319.909**.

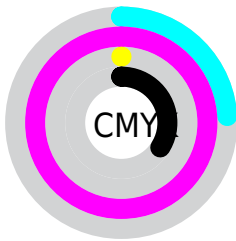
Distribution



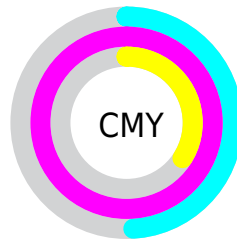
- Red (51%)
- Green (0%)
- Blue (66%)



- Red (51%)
- Yellow (0%)
- Blue (66%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)




- Cyan (49%)
- Magenta (100%)
- Yellow (34%)
- Black (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 86.850, 319.469 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, 86.850, 319.469 by changing the saturation by 10% instead.

 33, 86.850,
319.469


 33, 86.850,
319.469

 100, 86.850,
319.469


 23, 86.850,
319.469

 53, 86.850,
319.469


 13, 86.850,
319.469


 63, 86.850,
319.469

 3, 86.850, 319.469

 73, 86.850,
319.469

 0, 86.850, 319.469

 83, 86.850,
319.469

 93, 86.850,
319.469

■ 33, 86.850,
319.469

■ 33, 86.850,
319.469

■ 33, 86.988,
319.449

■ 35, 83.741,
319.909

■ 37, 78.731,
320.144

■ 39, 71.647,
320.155

■ 43, 62.940,
319.992

■ 47, 53.118,
319.705

■ 51, 42.627,
319.338

■ 55, 31.817,
318.925

■ 60, 20.930,

318.491

■ 65, 10.131,
318.050

Harmonies

Complementary

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



33, 86.850, 319.469



61, 85.599, 134.076

Rectangle

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



33, 86.850, 319.469



33, 86.850, 9.469



33, 86.850, 139.469



33, 86.850, 189.469

Sweetspot

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



33, 86.849, 319.469



70, 39.980, 318.968



26, 80.124, 300.282



34, 27.257, 319.137



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



33, 86.849, 319.469



43, 105.755, 319.306



38, 70.147, 341.184



33, 5.994, 318.038



28, 78.869, 319.536



1, 10.648, 315.552

Inverse Universe

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



35, 66.224, 25.833



46, 81.385, 27.166



60, 80.041, 139.937



33, 3.907, 1.202



30, 59.968, 25.379



1, 6.883, 2.882

Previews

White Background



This preview shows how the CIELCh color 33, 86.850, 319.469 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, 86.850, 319.469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

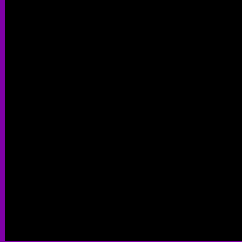
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 86.850, 319.469

Background



This preview shows how black text looks on a background with the CIELCh color 33, 86.850, 319.469.



This preview shows how white text looks on a background with the CIELCh color 33, 86.850, 319.469.

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, 86.850, 319.469

Protanopia

34, 53.409, 285.659

Deuteranopia

34, 39.723, 274.756



Tritanopia
34, 22.245, 15.490

Trichromacy



Original Color
33, 86.850, 319.469



Protanomaly
28, 72.456, 301.129



Deuteranomaly
28, 63.722, 299.733



Tritanomaly
31, 47.011, 332.924

Monochromacy



Original Color
33, 86.850, 319.469



Achromatopsia
24, 0.004, 296.813



Achromatomaly
24, 42.193, 320.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 86.850, 319.469 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(129, 1, 169)` looks like.

```
.text, #text, p{  
    color:rgb(129, 1, 169)  
}
```

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(129, 1, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 1, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 86.850, 319.469 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(129, 1, 169) }
```

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

```
.border{ border-color:rgb(129, 1, 169) }
```

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

Here you see how a box with a 4 pixel rgb(129, 1, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 1, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 1, 169);  
box-shadow:4px 4px 4px 4px rgb(129, 1,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 86.850, 319.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 1, 169) }
```

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

```
.background{ background-color: rgb(129, 1,  
169) }
```

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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