

Converting Colors

CIELCh(33, 79.457, 324.363)

Have a look what the booklet for
CIELCh(33, 79.457, 324.363)
contains.

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Color

CIELCh(33, 79.056, 324.461)

Conversions

Conversions Part 1

Format	Color
Hex	890098
RGB	137, 0, 152
RGB Percent	54%, 0%, 60%
CMY	0.4639, 1.0000, 0.4050
CMYK	0.10, 1.00, 0.00, 0.41
HSL	294°, 100%, 30%
HSV	294°, 100%, 59%
XYZ	15.9062, 7.5373, 30.2029
YIQ	58.2910, 32.8600, 76.3160

Conversions

Conversions Part 2

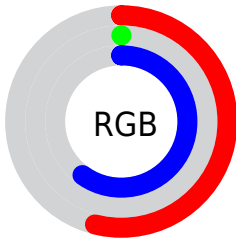
Format	Color
R_{YB}	137, 0, 152
Decimal	8978584
CIE _{Lab}	33.00, 64.33, -45.95
CIE _{LCh}	33, 79.056, 324.461
Yxy	7.5373, 0.2965, 0.1405
Android (android.graphics.Color)	4287168664 (0xFF890098)
YUV	58.2910, 46.1985, 69.0278
Hunter-Lab	27.4541, 55.3733, -46.0085

Details

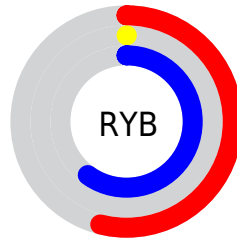
The CIELCh color **33, 79.056, 324.461** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **55, 80.696, 135.470**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 78.939, 324.433**, and **19, 59.017, 321.777** is the 20% darker color. If you saturate the color by 10%, you get **33, 78.952, 324.452**, and if you desaturate by 10%, it is **34, 76.436, 324.609**.

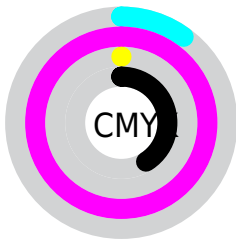
Distribution



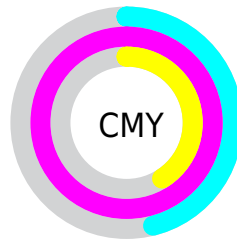
- Red (54%)
- Green (0%)
- Blue (60%)



- Red (54%)
- Yellow (0%)
- Blue (60%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (41%)





- Cyan (46%)
- Magenta (100%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 79.056, 324.461 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, 79.056, 324.461 by changing the saturation by 10% instead.


 33, 79.056,
324.461


 33, 79.056,
324.461

 100, 79.056,
324.461


 23, 79.056,
324.461

 53, 79.056,
324.461


 13, 79.056,
324.461


 63, 79.056,
324.461

 3, 79.056, 324.461

 73, 79.056,
324.461

 0, 79.056, 324.461

 83, 79.056,
324.461

 93, 79.056,
324.461

■ 33, 79.056,
324.461

■ 33, 79.056,
324.461

■ 33, 78.952,
324.452

■ 34, 76.436,
324.609

■ 36, 72.409,
324.651

■ 38, 66.486,
324.547

■ 40, 58.951,
324.320

■ 43, 50.203,
323.994

■ 47, 40.641,
323.597

■ 50, 30.609,
323.154

■ 54, 20.376,

322.684

■ 59, 10.132,
322.198

Harmonies

Complementary

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



33, 79.056, 324.461



55, 80.696, 135.470

Rectangle

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



33, 79.056, 324.461



33, 79.056, 14.461



33, 79.056, 144.461



33, 79.056, 194.461

Sweetspot

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



33, 78.952, 324.452



64, 37.765, 323.181



18, 85.802, 304.698



32, 25.944, 323.356



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



33, 78.952, 324.452



43, 95.561, 324.380



33, 59.481, 352.377



30, 5.763, 322.160



30, 74.545, 324.477



1, 6.169, 321.446

Inverse Universe

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



31, 66.797, 35.178



41, 81.690, 36.087



55, 65.974, 145.020



30, 3.463, 11.906



28, 62.826, 34.832



1, 3.638, 11.366

Previews

White Background



This preview shows how the CIELCh color 33, 79.056, 324.461 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, 79.056, 324.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

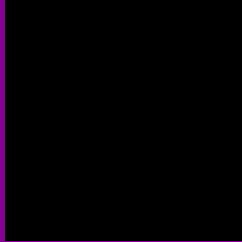
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 79.056, 324.461

Background



This preview shows how black text looks on a background with the CIELCh color 33, 79.056, 324.461.



This preview shows how white text looks on a background with the CIELCh color 33, 79.056, 324.461.

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, 79.056, 324.461

Protanopia

34, 53.984, 285.950

Deuteranopia

34, 39.209, 277.422



Tritanopia
34, 30.970, 20.799

Trichromacy



Original Color
33, 79.056, 324.461



Protanomaly
28, 69.543, 301.261



Deuteranomaly
29, 59.758, 303.186



Tritanomaly
32, 46.899, 343.951

Monochromacy



Original Color
33, 79.056, 324.461



Achromatopsia
24, 0.004, 296.813



Achromatomaly
24, 39.320, 324.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 79.056, 324.461 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(137, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 152)  
}
```

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(137, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 79.056, 324.461 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(137, 0, 152) }
```

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

```
.border{ border-color:rgb(137, 0, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 0, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(137, 0,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 79.056, 324.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 0, 152) }
```

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

```
.background{ background-color: rgb(137, 0,  
152) }
```

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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