

Converting Colors

CIELCh(29, 89.830, 326.132)

Have a look what the booklet for
CIELCh(29, 89.830, 326.132)
contains.

CIELCh(33, 77.408, 325.128)	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, 77.408, 325.128)

Conversions

Conversions Part 1

Format	Color
Hex	890295
RGB	137, 2, 149
RGB Percent	54%, 1%, 58%
CMY	0.4627, 0.9910, 0.4158
CMYK	0.08, 0.98, 0.00, 0.42
HSL	295°, 97%, 30%
HSV	295°, 98%, 58%
XYZ	15.7643, 7.5373, 29.0412
YIQ	59.1230, 33.2730, 74.3370

Conversions

Conversions Part 2

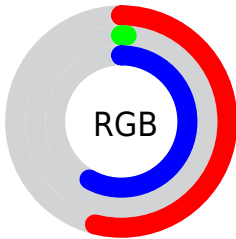
Format	Color
R_{YB}	137, 2, 149
Decimal	8979093
CIE _{Lab}	33.00, 63.51, -44.26
CIE _{LCh}	33, 77.408, 325.128
Yxy	7.5373, 0.3012, 0.1440
Android (android.graphics.Color)	4287169173 (0xFF890295)
YUV	59.1230, 44.3094, 68.2981
Hunter-Lab	27.4541, 54.4511, -43.4997

Details

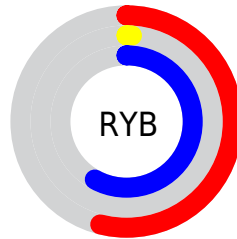
The CIELCh color **33, 77.408, 325.128** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **54, 79.315, 135.644**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 77.657, 325.082**, and **19, 57.594, 322.666** is the 20% darker color. If you saturate the color by 10%, you get **33, 77.778, 325.111**, and if you desaturate by 10%, it is **34, 74.834, 325.234**.

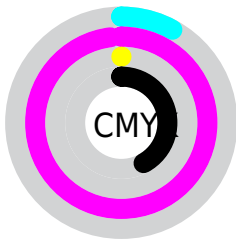
Distribution



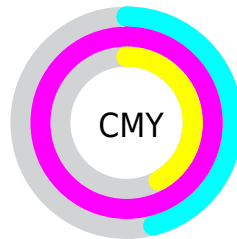
- Red (54%)
- Green (1%)
- Blue (58%)



- Red (54%)
- Yellow (1%)
- Blue (58%)



- Cyan (8%)
- Magenta (98%)
- Yellow (0%)
- Black (42%)




- Cyan (46%)
- Magenta (99%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 77.408, 325.128 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, 77.408, 325.128 by changing the saturation by 10% instead.


 33, 77.408,
325.128

 33, 77.408,
325.128

 100, 77.408,
325.128


 23, 77.408,
325.128

 53, 77.408,
325.128

 13, 77.408,
325.128


 63, 77.408,
325.128

 3, 77.408, 325.128

 73, 77.408,
325.128

 0, 77.408, 325.128

 83, 77.408,
325.128

 93, 77.408,
325.128

■ 33, 77.408,
325.128

■ 33, 77.408,
325.128

■ 33, 77.778,
325.111

■ 34, 74.834,
325.234

■ 35, 70.611,
325.220

■ 38, 64.554,
325.074

■ 40, 56.956,
324.814

■ 43, 48.205,
324.465

■ 47, 38.690,
324.051

■ 50, 28.739,
323.595

■ 54, 18.608,

323.114

■ 58, 8.480, 322.617

Harmonies

Complementary

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



33, 77.408, 325.128



54, 79.315, 135.644

Rectangle

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



33, 77.408, 325.128



33, 77.408, 15.128



33, 77.408, 145.128



33, 77.408, 195.128

Sweetspot

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



33, 77.406, 325.128



64, 37.531, 323.696



18, 84.655, 304.789



31, 25.501, 323.870



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



33, 77.406, 325.128



43, 94.483, 325.049



32, 58.094, 353.317



29, 5.632, 322.655



30, 73.445, 325.132



1, 4.895, 322.229

Inverse Universe

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



31, 65.752, 35.520



40, 81.670, 36.878



54, 63.458, 146.033



29, 3.357, 13.301



28, 62.527, 35.591



1, 2.852, 12.657

Previews

White Background



This preview shows how the CIELCh color 33, 77.408, 325.128 looks on a white background.

Color Contrast Check

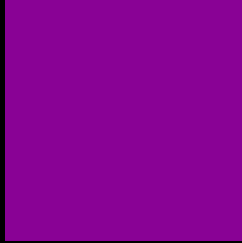
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.408, 325.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

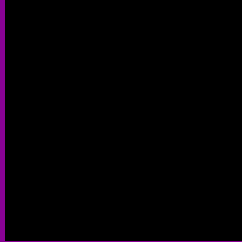
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 77.408, 325.128

Background



This preview shows how black text looks on a background with the CIELCh color 33, 77.408, 325.128.



This preview shows how white text looks on a background with the CIELCh color 33, 77.408, 325.128.

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, 77.470, 325.120

Protanopia

34, 53.984, 285.950

Deuteranopia

34, 37.912, 277.938



Tritanopia
34, 32.485, 21.426

Trichromacy



Original Color
33, 77.470, 325.120



Protanomaly
28, 68.975, 301.211



Deuteranomaly
29, 57.935, 304.181



Tritanomaly
32, 46.533, 345.682

Monochromacy



Original Color
33, 77.470, 325.120



Achromatopsia
25, 0.004, 296.813



Achromatomaly
24, 38.689, 324.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 77.408, 325.128 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, 2, 149)` looks like.

```
.text, #text, p{  
    color:rgb(137, 2, 149)  
}
```

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, 2, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 2, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 77.408, 325.128 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, 2, 149) }
```

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

```
.border{ border-color:rgb(137, 2, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 2, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 2, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 2, 149);  
box-shadow:4px 4px 4px 4px rgb(137, 2,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 77.408, 325.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 2, 149) }
```

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

```
.background{ background-color: rgb(137, 2,  
149) }
```

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