

Converting Colors

CIELCh(33, 61.401, 333.873)

Have a look what the booklet for
CIELCh(33, 61.401, 333.873)
contains.

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Color

CIELCh(33, 61.119, 333.872)

Conversions

Conversions Part 1

Format	Color
Hex	8A1A79
RGB	138, 26, 121
RGB Percent	54%, 10%, 47%
CMY	0.4585, 0.8976, 0.5252
CMYK	0.00, 0.81, 0.12, 0.46
HSL	309°, 68%, 32%
HSV	309°, 81%, 54%
XYZ	14.3241, 7.5373, 18.8150
YIQ	70.3180, 36.2570, 53.2890

Conversions

Conversions Part 2

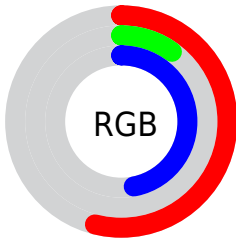
Format	Color
R_{YB}	138, 26, 121
Decimal	9050745
CIE _{Lab}	33.00, 54.87, -26.92
CIE _{LCh}	33, 61.119, 333.872
Yxy	7.5373, 0.3521, 0.1853
Android (android.graphics.Color)	4287240825 (0xFF8A1A79)
YUV	70.3180, 24.9862, 59.3571
Hunter-Lab	27.4541, 45.0871, -21.4152

Details

The CIELCh color **33, 61.119, 333.872** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **50, 64.267, 140.531**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 60.950, 333.624**, and **17, 46.481, 334.279** is the 20% darker color. If you saturate the color by 10%, you get **32, 63.808, 334.548**, and if you desaturate by 10%, it is **35, 56.693, 333.229**.

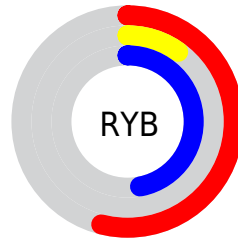
Distribution



Red (54%)

Green (10%)

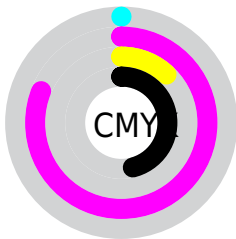
Blue (47%)



Red (54%)

Yellow (10%)

Blue (47%)

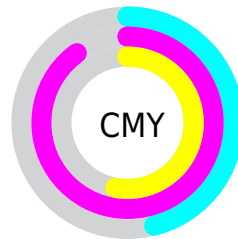


Cyan (0%)

Magenta (81%)

Yellow (12%)

Black (46%)



Cyan (46%)


Magenta (90%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 61.119, 333.872 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, 61.119, 333.872 by changing the saturation by 10% instead.


 33, 61.119,
333.872


 33, 61.119,
333.872


 100, 61.119,
333.872


 23, 61.119,
333.872


 53, 61.119,
333.872


 13, 61.119,
333.872


 63, 61.119,
333.872

 3, 61.119, 333.872

 73, 61.119,
333.872

 0, 61.119, 333.872

 83, 61.119,
333.872

 93, 61.119,
333.872

■ 33, 61.119,
333.872

■ 33, 61.119,
333.872

■ 32, 63.808,
334.548

■ 35, 56.693,
333.229

■ 31, 65.215,
335.174

■ 37, 50.747,
332.601

■ 40, 43.612,
331.978

■ 43, 35.644,
331.357

■ 46, 27.168,
330.740

■ 50, 18.441,
330.129

■ 53, 9.655, 329.523

■ 57, 0.941, 328.729

Harmonies

Complementary

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



33, 61.119, 333.872



50, 64.267, 140.531

Rectangle

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



33, 61.119, 333.872



33, 61.119, 23.872



33, 61.119, 153.872



33, 61.119, 203.872

Sweetspot

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



33, 61.117, 333.872



62, 25.897, 330.338



20, 71.931, 305.400



30, 17.718, 330.527



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



33, 61.117, 333.872



41, 78.204, 335.124



31, 48.550, 6.884



27, 4.899, 329.405



30, 63.353, 335.143



0, 2.260, 328.902

Inverse Universe

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



33, 61.117, 333.872



41, 78.204, 335.124



51, 41.732, 162.444



27, 4.899, 329.405



30, 63.353, 335.143



0, 2.260, 328.902

Previews

White Background



This preview shows how the CIELCh color 33, 61.119, 333.872 looks on a white background.

Color Contrast Check

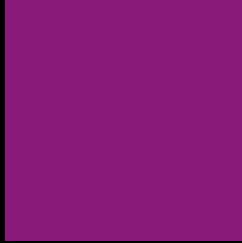
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61.119, 333.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

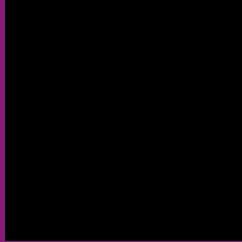
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 61.119, 333.872

Background



This preview shows how black text looks on a background with the CIELCh color 33, 61.119, 333.872.

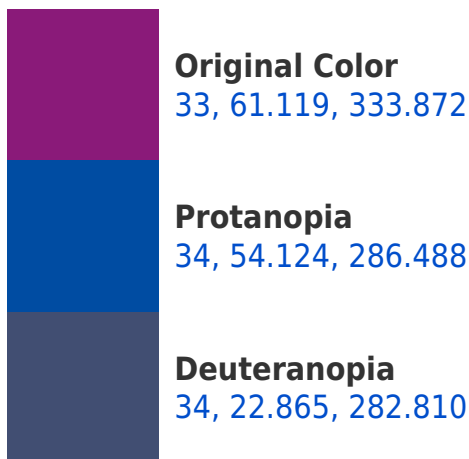


This preview shows how white text looks on a background with the CIELCh color 33, 61.119, 333.872.

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, 37.931, 23.568

Trichromacy



Original Color
33, 61.119, 333.872

Protanomaly
29, 56.654, 297.685

Deuteranomaly
31, 38.453, 313.613

Tritanomaly
33, 42.161, 358.402

Monochromacy



Original Color
33, 61.119, 333.872

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 27.629, 331.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 61.119, 333.872 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(138, 26, 121)` looks like.

```
.text, #text, p{  
  color:rgb(138, 26, 121)  
}
```

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(138, 26, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 26, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 61.119, 333.872 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(138, 26, 121) }
```

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

```
.border{ border-color:rgb(138, 26, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 26, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 26, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 26, 121);  
box-shadow:4px 4px 4px 4px rgb(138, 26,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 61.119, 333.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 26, 121) }
```

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

```
.background{ background-color: rgb(138, 26,  
121) }
```

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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