

Converting Colors

CIELCh(33, 65.330, 337.867)

Have a look what the booklet for
CIELCh(33, 65.330, 337.867)
contains.

CIELCh(33, 65.474, 337.821)	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, 65.474, 337.821)

Conversions

Conversions Part 1

Format	Color
Hex	930276
RGB	147, 2, 118
RGB Percent	58%, 1%, 46%
CMY	0.4245, 0.9903, 0.5381
CMYK	0.00, 0.98, 0.20, 0.42
HSL	312°, 97%, 29%
HSV	312°, 98%, 58%
XYZ	15.2739, 7.5373, 17.7227
YIQ	58.5790, 49.1840, 66.8160

Conversions

Conversions Part 2

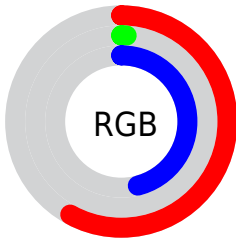
Format	Color
R_{YB}	147, 2, 118
Decimal	9634422
CIE _{Lab}	33.00, 60.63, -24.72
CIE _{LCh}	33, 65.474, 337.821
Yxy	7.5373, 0.3768, 0.1859
Android (android.graphics.Color)	4287824502 (0xFF930276)
YUV	58.5790, 29.2946, 77.5452
Hunter-Lab	27.4541, 51.2629, -19.0561

Details

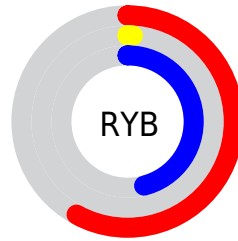
The CIELCh color **33, 65.474, 337.821** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **53, 73.407, 139.108**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 65.766, 338.070**, and **19, 45.771, 339.742** is the 20% darker color. If you saturate the color by 10%, you get **33, 65.695, 337.987**, and if you desaturate by 10%, it is **34, 63.988, 336.839**.

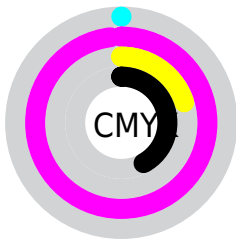
Distribution



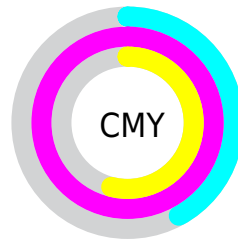
- Red (58%)
- Green (1%)
- Blue (46%)



- Red (58%)
- Yellow (1%)
- Blue (46%)



- Cyan (0%)
- Magenta (98%)
- Yellow (20%)
- Black (42%)





- Cyan (42%)
- Magenta (99%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 65.474, 337.821 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, 65.474, 337.821 by changing the saturation by 10% instead.


 33, 65.474,
337.821


 33, 65.474,
337.821

 100, 65.474,
337.821


 23, 65.474,
337.821

 53, 65.474,
337.821


 13, 65.474,
337.821


 63, 65.474,
337.821

 3, 65.474, 337.821

 73, 65.474,
337.821

 0, 65.474, 337.821

 83, 65.474,
337.821

 93, 65.474,
337.821

■ 33, 65.474,
337.821

■ 33, 65.474,
337.821

■ 33, 65.695,
337.987

■ 34, 63.988,
336.839

■ 35, 60.909,
335.952

■ 37, 56.046,
335.147

■ 40, 49.673,
334.395

■ 43, 42.161,
333.679

■ 46, 33.885,
332.988

■ 50, 25.169,
332.318

■ 54, 16.262,

331.667

■ 57, 7.344, 331.025

Harmonies

Complementary

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



33, 65.474, 337.821



53, 73.407, 139.108

Rectangle

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



33, 65.474, 337.821



33, 65.474, 27.821



33, 65.474, 157.821



33, 65.474, 207.821

Sweetspot

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



33, 65.472, 337.821



63, 31.979, 332.403



18, 86.206, 307.271



31, 22.085, 332.662



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, 65.472, 337.821



43, 79.631, 338.236



30, 57.165, 19.180



29, 5.023, 331.083



31, 62.769, 337.919



1, 4.365, 330.554

Inverse Universe

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



33, 65.472, 337.821



43, 79.631, 338.236



54, 46.070, 162.608



29, 5.023, 331.083



31, 62.769, 337.919



1, 4.365, 330.554

Previews

White Background



This preview shows how the CIELCh color 33, 65.474, 337.821 looks on a white background.

Color Contrast Check

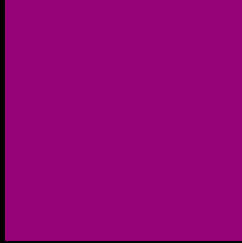
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 33, 65.474, 337.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

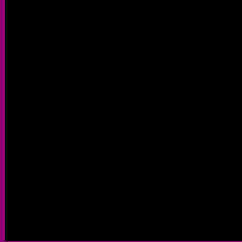
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 65.474, 337.821

Background



This preview shows how black text looks on a background with the CIELCh color 33, 65.474, 337.821.

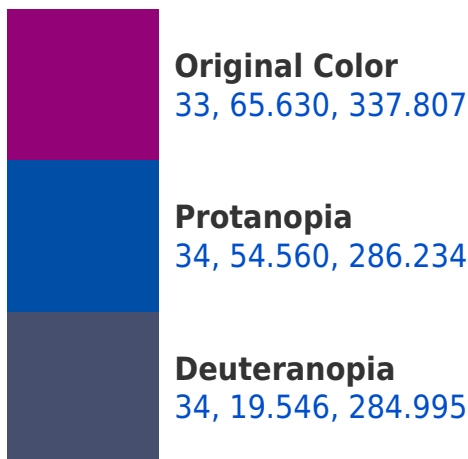


This preview shows how white text looks on a background with the CIELCh color 33, 65.474, 337.821.

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
34, 45.284, 26.875

Trichromacy



Original Color
33, 65.630, 337.807

Protanomaly
27, 61.901, 300.832

Deuteranomaly
30, 42.252, 320.189

Tritanomaly
32, 49.259, 3.015

Monochromacy



Original Color
33, 65.630, 337.807

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 33.633, 334.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 65.474, 337.821 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(147, 2, 118)` looks like.

```
.text, #text, p{  
    color:rgb(147, 2, 118)  
}
```

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(147, 2, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 2, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 65.474, 337.821 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(147, 2, 118) }
```

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

```
.border{ border-color:rgb(147, 2, 118) }
```

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

Here you see how a box with a 4 pixel rgb(147, 2, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 2, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 2, 118);  
box-shadow:4px 4px 4px 4px rgb(147, 2,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 65.474, 337.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 2, 118) }
```

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

```
.background{ background-color: rgb(147, 2,  
118) }
```

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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