

Converting Colors

CIELCh(33, 65.358, 338.927)

Have a look what the booklet for
CIELCh(33, 65.358, 338.927)
contains.

CIELCh(33, 65.358, 338.927)	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, 65.358, 338.927)

Conversions

Conversions Part 1

Format	Color
Hex	940074
RGB	148, 0, 116
RGB Percent	58%, 0%, 45%
CMY	0.4201, 1.0000, 0.5455
CMYK	0.00, 1.00, 0.22, 0.42
HSL	313°, 100%, 29%
HSV	313°, 100%, 58%
XYZ	15.3343, 7.5373, 17.1369
YIQ	57.4760, 50.9720, 67.4520

Conversions

Conversions Part 2

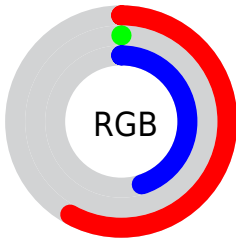
Format	Color
R_{YB}	148, 0, 116
Decimal	9699444
CIE _{Lab}	33.00, 60.99, -23.50
CIE _{LCh}	33, 65.358, 338.927
Yxy	7.5373, 0.3833, 0.1884
Android (android.graphics.Color)	4287889524 (0xFF940074)
YUV	57.4760, 28.8523, 79.3895
Hunter-Lab	27.4541, 51.6553, -17.7911

Details

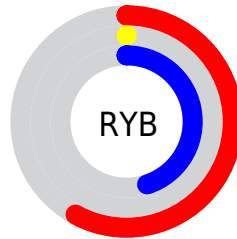
The CIELCh color **33, 65.358, 338.927** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **53, 73.858, 139.238**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 65.279, 339.122**, and **19, 45.202, 341.608** is the 20% darker color. If you saturate the color by 10%, you get **33, 65.316, 338.932**, and if you desaturate by 10%, it is **34, 63.999, 337.843**.

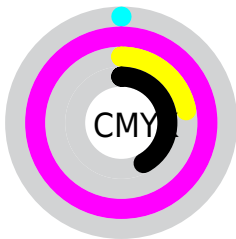
Distribution



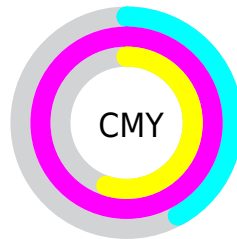
- Red (58%)
- Green (0%)
- Blue (45%)



- Red (58%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (42%)





- Cyan (42%)
- Magenta (100%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 65.358, 338.927 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, 65.358, 338.927 by changing the saturation by 10% instead.


 33, 65.358,
338.927


 33, 65.358,
338.927

 100, 65.358,
338.927


 23, 65.358,
338.927

 53, 65.358,
338.927


 13, 65.358,
338.927


 63, 65.358,
338.927

 3, 65.358, 338.927

 73, 65.358,
338.927

 0, 65.358, 338.927

 83, 65.358,
338.927

 93, 65.358,
338.927

■ 33, 65.358,
338.927

■ 33, 65.358,
338.927

■ 33, 65.316,
338.932

■ 34, 63.999,
337.843

■ 35, 61.277,
336.859

■ 37, 56.735,
335.982

■ 40, 50.622,
335.178

■ 43, 43.304,
334.423

■ 46, 35.163,
333.703

■ 49, 26.535,
333.011

■ 53, 17.684,

332.342

■ 57, 8.798, 331.690

Harmonies

Complementary

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



33, 65.358, 338.927



53, 73.858, 139.238

Rectangle

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



33, 65.358, 338.927



33, 65.358, 28.927



33, 65.358, 158.927



33, 65.358, 208.927

Sweetspot

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



33, 65.316, 338.932



63, 32.721, 333.052



17, 87.646, 307.379



31, 22.464, 333.314



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, 65.316, 338.932



43, 78.727, 339.199



31, 58.087, 20.010



29, 4.968, 331.638



31, 62.070, 338.847



1, 4.317, 331.102

Inverse Universe

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



33, 65.316, 338.932



43, 78.727, 339.199



54, 46.749, 162.271



29, 4.968, 331.638



31, 62.070, 338.847



1, 4.317, 331.102

Previews

White Background



This preview shows how the CIELCh color 33, 65.358, 338.927 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, 65.358, 338.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

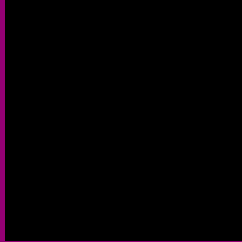
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 65.358, 338.927

Background



This preview shows how black text looks on a background with the CIELCh color 33, 65.358, 338.927.



This preview shows how white text looks on a background with the CIELCh color 33, 65.358, 338.927.

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, 65.358, 338.927

Protanopia

34, 53.849, 286.771

Deuteranopia

35, 18.241, 285.174



Tritanopia
34, 45.946, 27.694

Trichromacy



Original Color
33, 65.358, 338.927

Protanomaly
28, 61.717, 303.109

Deuteranomaly
30, 41.821, 321.078

Tritanomaly
32, 49.811, 3.865

Monochromacy



Original Color
33, 65.358, 338.927

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 33.852, 335.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 65.358, 338.927 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(148, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 116)  
}
```

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(148, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 65.358, 338.927 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(148, 0, 116) }
```

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

```
.border{ border-color:rgb(148, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 65.358, 338.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 116) }
```

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

```
.background{ background-color: rgb(148, 0,  
116) }
```

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