

Converting Colors

CIELCh(33, 36.358, 357.422)

Have a look what the booklet for
CIELCh(33, 36.358, 357.422)
contains.

CIELCh(33, 36.500, 357.827)	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, 36.500, 357.827)

Conversions

Conversions Part 1

Format	Color
Hex	803351
RGB	128, 51, 81
RGB Percent	50%, 20%, 32%
CMY	0.4984, 0.8003, 0.6826
CMYK	0.00, 0.60, 0.37, 0.50
HSL	337°, 43%, 35%
HSV	337°, 60%, 50%
XYZ	11.5533, 7.5373, 8.6168
YIQ	77.4430, 36.2620, 25.6540

Conversions

Conversions Part 2

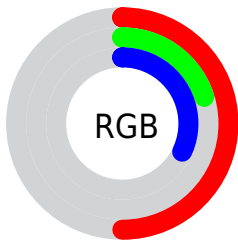
Format	Color
R_{YB}	128, 51, 81
Decimal	8401745
CIE Lab	33.00, 36.47, -1.38
CIE LCh	33, 36.500, 357.827
Yxy	7.5373, 0.4170, 0.2720
Android (android.graphics.Color)	4286591825 (0xFF803351)
YUV	77.4430, 1.7536, 44.3385
Hunter-Lab	27.4541, 27.0719, 0.6090

Details

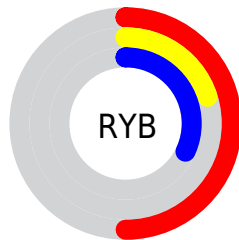
The CIELCh color **33, 36.500, 357.827** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **48, 32.688, 163.443**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 36.424, 357.756**, and **13, 35.305, 358.184** is the 20% darker color. If you saturate the color by 10%, you get **31, 41.503, 0.167**, and if you desaturate by 10%, it is **36, 30.813, 355.937**.

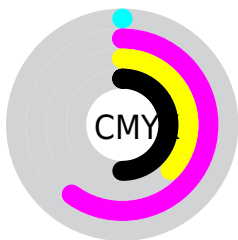
Distribution



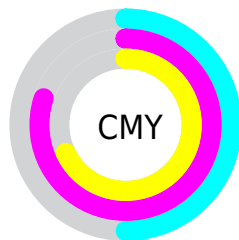
- Red (50%)
- Green (20%)
- Blue (32%)



- Red (50%)
- Yellow (20%)
- Blue (32%)



- Cyan (0%)
- Magenta (60%)
- Yellow (37%)
- Black (50%)





- Cyan (50%)
- Magenta (80%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 36.500, 357.827 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, 36.500, 357.827 by changing the saturation by 10% instead.


 33, 36.500,
357.827


 33, 36.500,
357.827

 100, 36.500,
357.827


 23, 36.500,
357.827

 53, 36.500,
357.827


 13, 36.500,
357.827


 63, 36.500,
357.827

 3, 36.500, 357.827

 73, 36.500,
357.827

 0, 36.500, 357.827

 83, 36.500,
357.827

 93, 36.500,
357.827

■ 33, 36.500,
357.827

■ 33, 36.500,
357.827

■ 31, 41.503, 0.167

■ 36, 30.813,
355.937

■ 29, 45.555, 3.101

■ 39, 24.729,
354.375

■ 27, 48.489, 6.789

■ 26, 50.784, 10.872

■ 42, 18.475,
353.056

■ 46, 12.222,
351.916

■ 50, 6.080, 350.899

■ 53, 0.113, 347.230

■ 57, 5.645, 169.340

■ 61, 11.183,
168.596

■ 65, 16.501,
167.933

Harmonies

Complementary

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



33, 36.500, 357.827



48, 32.688, 163.443

Rectangle

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



33, 36.500, 357.827



33, 36.500, 47.827



33, 36.500, 177.827



33, 36.500, 227.827

Sweetspot

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



33, 36.498, 357.828



60, 13.439, 351.729



31, 50.176, 314.986



30, 9.442, 351.995



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



33, 36.498, 357.828



39, 51.984, 1.111



34, 34.870, 32.994



25, 3.349, 350.792



26, 50.662, 10.854



0, 0.000, 0.000

Inverse Universe

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



33, 36.498, 357.828



39, 51.984, 1.111



47, 22.003, 209.311



25, 3.349, 350.792



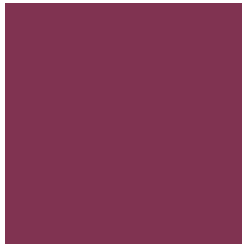
26, 50.662, 10.854



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 33, 36.500, 357.827 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, 36.500, 357.827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

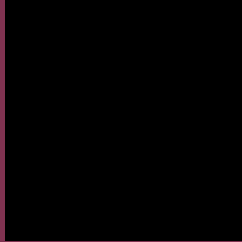
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 36.500, 357.827

Background



This preview shows how black text looks on a background with the CIELCh color 33, 36.500, 357.827.



This preview shows how white text looks on a background with the CIELCh color 33, 36.500, 357.827.

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, 36.500, 357.827

Protanopia

34, 12.634, 285.306

Deuteranopia

33, 4.462, 11.986



Tritanopia
33, 33.616, 21.996

Trichromacy



Original Color
33, 36.500, 357.827

Protanomaly
32, 18.575, 328.045

Deuteranomaly
33, 16.508, 357.840

Tritanomaly
33, 33.790, 13.124

Monochromacy



Original Color
33, 36.500, 357.827

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 13.850, 354.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 36.500, 357.827 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(128, 51, 81)` looks like.

```
.text, #text, p{  
    color:rgb(128, 51, 81)  
}
```

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(128, 51, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 51, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 36.500, 357.827 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(128, 51, 81) }
```

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

```
.border{ border-color:rgb(128, 51, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 51, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 51, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 51, 81);  
box-shadow:4px 4px 4px 4px rgb(128, 51,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 36.500, 357.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 51, 81) }
```

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

```
.background{ background-color: rgb(128, 51,  
81) }
```

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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