

Converting Colors

CIELCh(33, 41.045, 345.329)

Have a look what the booklet for
CIELCh(33, 41.045, 345.329)
contains.

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Color

CIELCh(33, 41.227, 345.268)

Conversions

Conversions Part 1

Format	Color
Hex	80305F
RGB	128, 48, 95
RGB Percent	50%, 19%, 37%
CMY	0.4979, 0.8116, 0.6273
CMYK	0.00, 0.62, 0.26, 0.50
HSL	325°, 45%, 35%
HSV	325°, 62%, 50%
XYZ	12.0353, 7.5373, 11.6569
YIQ	77.2780, 32.5930, 31.5770

Conversions

Conversions Part 2

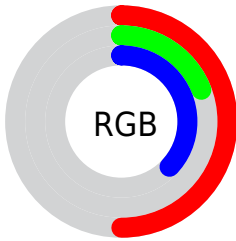
Format	Color
R_{YB}	128, 48, 95
Decimal	8400991
CIE _{Lab}	33.00, 39.87, -10.48
CIE _{LCh}	33, 41.227, 345.268
Yxy	7.5373, 0.3854, 0.2414
Android (android.graphics.Color)	4286591071 (0xFF80305F)
YUV	77.2780, 8.7369, 44.4832
Hunter-Lab	27.4541, 30.2061, -5.9565

Details

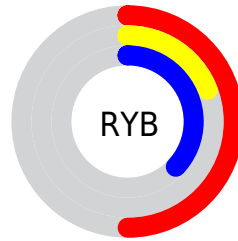
The CIELCh color **33, 41.227, 345.268** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **48, 40.285, 152.705**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 40.926, 345.571**, and **14, 37.771, 345.947** is the 20% darker color. If you saturate the color by 10%, you get **31, 45.969, 346.811**, and if you desaturate by 10%, it is **36, 35.498, 343.968**.

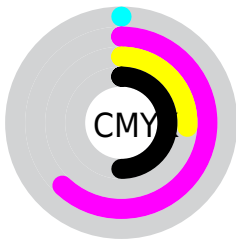
Distribution



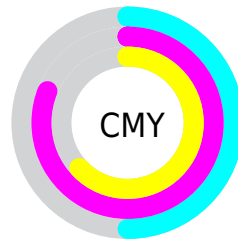
- Red (50%)
- Green (19%)
- Blue (37%)



- Red (50%)
- Yellow (19%)
- Blue (37%)



- Cyan (0%)
- Magenta (62%)
- Yellow (26%)
- Black (50%)



- Cyan (50%)
- Magenta (81%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 41.227, 345.268 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, 41.227, 345.268 by changing the saturation by 10% instead.


 33, 41.227,
345.268

 33, 41.227,
345.268

 100, 41.227,
345.268

 23, 41.227,
345.268

 53, 41.227,
345.268


 13, 41.227,
345.268


 63, 41.227,
345.268

 3, 41.227, 345.268

 73, 41.227,
345.268

 0, 41.227, 345.268

 83, 41.227,
345.268

 93, 41.227,
345.268

■ 33, 41.227,
345.268

■ 33, 41.227,
345.268

■ 31, 45.969,
346.811

■ 36, 35.498,
343.968

■ 29, 49.423,
348.685

■ 39, 29.112,
342.843

■ 28, 51.397,
351.003

■ 42, 22.350,
341.847

■ 27, 52.436,
352.902

■ 45, 15.430,
340.948

■ 49, 8.504, 340.120

■ 53, 1.674, 339.241

■ 56, 5.000, 158.763

■ 60, 11.486,
158.088

■ 64, 17.769,
157.479

Harmonies

Complementary

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



33, 41.227, 345.268



48, 40.285, 152.705

Rectangle

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



33, 41.227, 345.268



33, 41.227, 35.268



33, 41.227, 165.268



33, 41.227, 215.268

Sweetspot

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



33, 41.225, 345.269



59, 16.079, 340.690



28, 51.778, 309.237



30, 11.169, 340.896



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, 41.225, 345.269



39, 57.472, 347.560



32, 37.617, 20.357



25, 3.816, 339.848



27, 52.279, 352.887



0, 0.000, 0.000

Inverse Universe

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



33, 41.225, 345.269



39, 57.472, 347.560



49, 26.321, 186.311



25, 3.816, 339.848



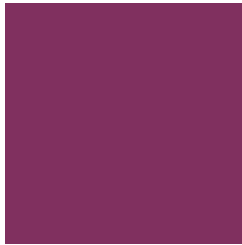
27, 52.279, 352.887



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 33, 41.227, 345.268 looks on a white background.

Color Contrast Check

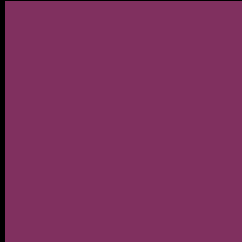
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.227, 345.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

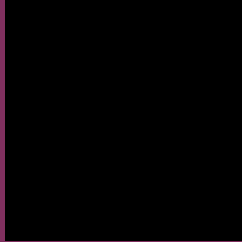
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 41.227, 345.268

Background



This preview shows how black text looks on a background with the CIELCh color 33, 41.227, 345.268.



This preview shows how white text looks on a background with the CIELCh color 33, 41.227, 345.268.

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, 41.227, 345.268

Protanopia

33, 24.691, 284.902

Deuteranopia

33, 8.925, 299.564



Tritanopia
33, 32.628, 21.602

Trichromacy



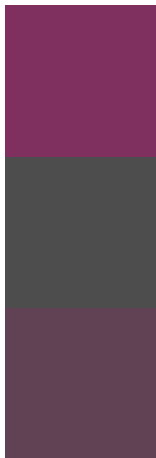
Original Color
33, 41.227, 345.268

Protanomaly
32, 27.931, 311.663

Deuteranomaly
32, 20.765, 331.046

Tritanomaly
33, 33.920, 5.886

Monochromacy



Original Color
33, 41.227, 345.268

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 17.109, 341.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 41.227, 345.268 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, 48, 95)` looks like.

```
.text, #text, p{  
    color:rgb(128, 48, 95)  
}
```

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, 48, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 48, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 41.227, 345.268 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, 48, 95) }
```

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

```
.border{ border-color:rgb(128, 48, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 48, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 48, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 48, 95);  
box-shadow:4px 4px 4px 4px rgb(128, 48,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 41.227, 345.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 48, 95) }
```

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

```
.background{ background-color: rgb(128, 48,  
95) }
```

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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