

Converting Colors

CIELCh(33, 45.076, 339.158)

Have a look what the booklet for
CIELCh(33, 45.076, 339.158)
contains.

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Color

CIELCh(33, 45.185, 338.988)

Conversions

Conversions Part 1

Format	Color
Hex	802E68
RGB	128, 46, 104
RGB Percent	50%, 18%, 41%
CMY	0.4982, 0.8197, 0.5923
CMYK	0.00, 0.64, 0.19, 0.50
HSL	318°, 47%, 34%
HSV	318°, 64%, 50%
XYZ	12.3704, 7.5373, 13.8918
YIQ	77.1300, 30.2540, 35.4220

Conversions

Conversions Part 2

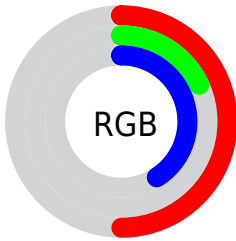
Format	Color
RYB	128, 46, 104
Decimal	8400488
CIELab	33.00, 42.18, -16.20
CIElCh	33, 45.185, 338.988
Yxy	7.5373, 0.3660, 0.2230
Android (android.graphics.Color)	4286590568 (0xFF802E68)
YUV	77.1300, 13.2469, 44.6130
Hunter-Lab	27.4541, 32.3846, -10.7828

Details

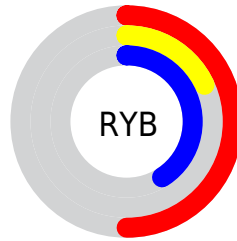
The CIELCh color **33, 45.185, 338.988** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **48, 45.419, 147.638**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 45.237, 339.066**, and **15, 40.412, 339.851** is the 20% darker color. If you saturate the color by 10%, you get **31, 49.973, 340.067**, and if you desaturate by 10%, it is **36, 39.269, 338.032**.

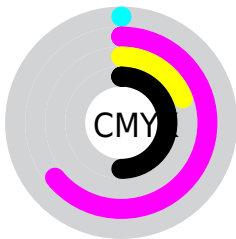
Distribution



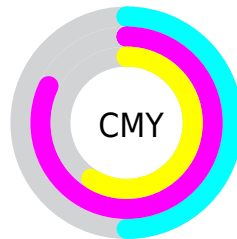
- Red (50%)
- Green (18%)
- Blue (41%)



- Red (50%)
- Yellow (18%)
- Blue (41%)



- Cyan (0%)
- Magenta (64%)
- Yellow (19%)
- Black (50%)




- Cyan (50%)
- Magenta (82%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 45.185, 338.988 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, 45.185, 338.988 by changing the saturation by 10% instead.


 33, 45.185,
338.988

 33, 45.185,
338.988

 100, 45.185,
338.988


 23, 45.185,
338.988

 53, 45.185,
338.988


 13, 45.185,
338.988


 63, 45.185,
338.988

 3, 45.185, 338.988

 73, 45.185,
338.988

 0, 45.185, 338.988

 83, 45.185,
338.988

 93, 45.185,
338.988

■ 33, 45.185,
338.988

■ 33, 45.185,
338.988

■ 31, 49.973,
340.067

■ 36, 39.269,
338.032

■ 29, 53.338,
341.316

■ 38, 32.566,
337.163

■ 28, 55.141,
342.793

■ 42, 25.377,
336.360

■ 28, 55.949,
343.706

■ 45, 17.944,
335.608

■ 48, 10.445,
334.895

■ 52, 3.003, 334.174

■ 56, 4.307, 153.683

■ 60, 11.438,
153.055

■ 63, 18.368,
152.487

Harmonies

Complementary

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



33, 45.185, 338.988



48, 45.419, 147.638

Rectangle

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



33, 45.185, 338.988



33, 45.185, 28.988



33, 45.185, 158.988



33, 45.185, 208.988

Sweetspot

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



33, 45.183, 338.988



60, 17.472, 335.274



26, 53.147, 306.247



30, 12.129, 335.449



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, 45.183, 338.988



40, 62.495, 340.629



32, 37.785, 11.889



25, 4.156, 334.547



28, 55.804, 343.698



0, 0.000, 0.000

Inverse Universe

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



33, 45.183, 338.988



40, 62.495, 340.629



48, 29.354, 175.407



25, 4.156, 334.547



28, 55.804, 343.698



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 33, 45.185, 338.988 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, 45.185, 338.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

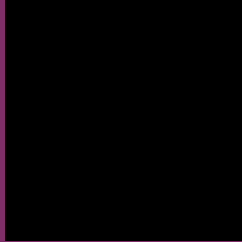
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 45.185, 338.988

Background



This preview shows how black text looks on a background with the CIELCh color 33, 45.185, 338.988.



This preview shows how white text looks on a background with the CIELCh color 33, 45.185, 338.988.

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, 45.185, 338.988

Protanopia

33, 32.237, 285.222

Deuteranopia

33, 13.859, 289.363



Tritanopia
33, 31.638, 21.204

Trichromacy



Original Color
33, 45.185, 338.988

Protanomaly
32, 34.153, 305.556

Deuteranomaly
32, 24.718, 320.244

Tritanomaly
33, 33.875, 1.353

Monochromacy



Original Color
33, 45.185, 338.988

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 18.300, 336.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 45.185, 338.988 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, 46, 104)` looks like.

```
.text, #text, p{  
    color:rgb(128, 46, 104)  
}
```

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, 46, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 46, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 45.185, 338.988 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, 46, 104) }
```

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

```
.border{ border-color:rgb(128, 46, 104) }
```

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

Here you see how a box with a 4 pixel rgb(128, 46, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 46, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 46, 104);  
box-shadow:4px 4px 4px 4px rgb(128, 46,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 45.185, 338.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 46, 104) }
```

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

```
.background{ background-color: rgb(128, 46,  
104) }
```

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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