

Converting Colors

CIELCh(33, 50.417, 339.337)

Have a look what the booklet for
CIELCh(33, 50.417, 339.337)
contains.

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Color

CIELCh(33, 50.656, 339.305)

Conversions

Conversions Part 1

Format	Color
Hex	86276B
RGB	134, 39, 107
RGB Percent	53%, 15%, 42%
CMY	0.4755, 0.8481, 0.5813
CMYK	0.00, 0.71, 0.20, 0.48
HSL	317°, 55%, 34%
HSV	317°, 71%, 52%
XYZ	13.1488, 7.5373, 14.6073
YIQ	75.1570, 34.7920, 41.2880

Conversions

Conversions Part 2

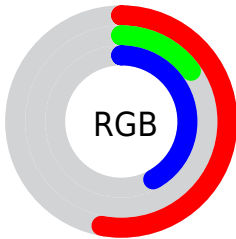
Format	Color
R_{YB}	134, 39, 107
Decimal	8791915
CIE Lab	33.00, 47.39, -17.90
CIE LCh	33, 50.656, 339.305
Yxy	7.5373, 0.3726, 0.2136
Android (android.graphics.Color)	4286981995 (0xFF86276B)
YUV	75.1570, 15.6986, 51.6053
Hunter-Lab	27.4541, 37.4455, -12.3281

Details

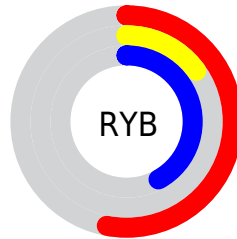
The CIELCh color **33, 50.656, 339.305** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **49, 51.646, 146.215**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 51.030, 339.082**, and **16, 41.543, 341.298** is the 20% darker color. If you saturate the color by 10%, you get **31, 54.590, 340.467**, and if you desaturate by 10%, it is **35, 45.307, 338.291**.

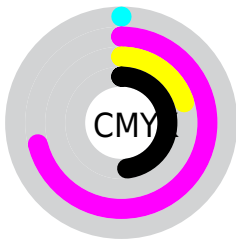
Distribution



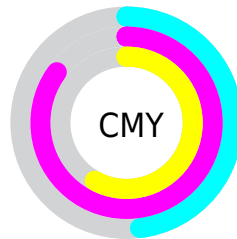
- Red (53%)
- Green (15%)
- Blue (42%)



- Red (53%)
- Yellow (15%)
- Blue (42%)



- Cyan (0%)
- Magenta (71%)
- Yellow (20%)
- Black (48%)





- Cyan (48%)
- Magenta (85%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 50.656, 339.305 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, 50.656, 339.305 by changing the saturation by 10% instead.


 33, 50.656,
339.305


 33, 50.656,
339.305

 100, 50.656,
339.305


 23, 50.656,
339.305

 53, 50.656,
339.305


 13, 50.656,
339.305


 63, 50.656,
339.305

 3, 50.656, 339.305

 73, 50.656,
339.305

 0, 50.656, 339.305

 83, 50.656,
339.305

 93, 50.656,
339.305

■ 33, 50.656,
339.305

■ 33, 50.656,
339.305

■ 31, 54.590,
340.467

■ 35, 45.307,
338.291

■ 30, 56.889,
341.832

■ 38, 38.880,
337.380

■ 29, 58.041,
343.187

■ 41, 31.721,
336.545

■ 44, 24.130,
335.768

■ 48, 16.343,
335.035

■ 52, 8.528, 334.334

■ 55, 0.799, 333.403

■ 59, 6.775, 153.135

■ 63, 14.155,
152.535

Harmonies

Complementary

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



33, 50.656, 339.305



49, 51.646, 146.215

Rectangle

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



33, 50.656, 339.305



33, 50.656, 29.305



33, 50.656, 159.305



33, 50.656, 209.305

Sweetspot

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



33, 50.654, 339.305



61, 20.173, 335.065



25, 61.166, 306.895



30, 13.604, 335.232



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



33, 50.654, 339.305



40, 67.900, 341.237



31, 43.110, 14.101



26, 4.321, 334.200



28, 56.906, 343.135



0, 1.028, 333.643

Inverse Universe

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



33, 50.654, 339.305



40, 67.900, 341.237



50, 32.628, 174.419



26, 4.321, 334.200



28, 56.906, 343.135



0, 1.028, 333.643

Previews

White Background



This preview shows how the CIELCh color 33, 50.656, 339.305 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, 50.656, 339.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

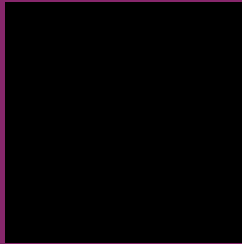
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 50.656, 339.305

Background



This preview shows how black text looks on a background with the CIELCh color 33, 50.656, 339.305.



This preview shows how white text looks on a background with the CIELCh color 33, 50.656, 339.305.

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, 50.656, 339.305

Protanopia

34, 37.841, 285.808

Deuteranopia

33, 15.127, 288.441



Tritanopia
33, 35.672, 23.637

Trichromacy



Original Color
33, 50.656, 339.305

Protanomaly
31, 40.436, 305.459

Deuteranomaly
32, 28.292, 321.181

Tritanomaly
33, 38.336, 3.351

Monochromacy



Original Color
33, 50.656, 339.305

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 21.222, 335.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 50.656, 339.305 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(134, 39, 107)` looks like.

```
.text, #text, p{  
    color:rgb(134, 39, 107)  
}
```

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(134, 39, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 39, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 50.656, 339.305 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(134, 39, 107) }
```

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

```
.border{ border-color:rgb(134, 39, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 39, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 39, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 39, 107);  
box-shadow:4px 4px 4px 4px rgb(134, 39,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 50.656, 339.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 39, 107) }
```

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

```
.background{ background-color: rgb(134, 39,  
107) }
```

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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