

Converting Colors

CIELCh(47, 33.788, 337.957)

Have a look what the booklet for
CIELCh(47, 33.788, 337.957)
contains.

CIELCh(47, 33.432, 338.461)	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(47, 33.432, 338.461)

Conversions

Conversions Part 1

Format	Color
Hex	995C85
RGB	153, 92, 133
RGB Percent	60%, 36%, 52%
CMY	0.4014, 0.6405, 0.4798
CMYK	0.00, 0.40, 0.13, 0.40
HSL	320°, 25%, 48%
HSV	320°, 40%, 60%
XYZ	21.0788, 16.0195, 24.0487
YIQ	114.9130, 23.1950, 25.6830

Conversions

Conversions Part 2

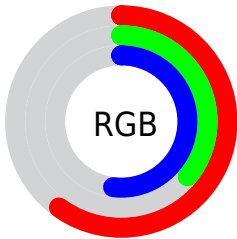
Format	Color
R_{YB}	153, 92, 133
Decimal	10050693
CIE _{Lab}	47.00, 31.10, -12.27
CIE _{LCh}	47, 33.432, 338.461
Yxy	16.0195, 0.3447, 0.2620
Android (android.graphics.Color)	4288240773 (0xFF995C85)
YUV	114.9130, 8.9169, 33.4023
Hunter-Lab	40.0243, 23.9646, -7.6076

Details

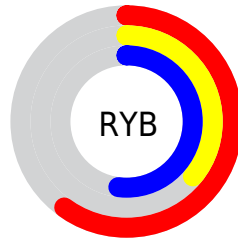
The CIELCh color $47, 33.432, 338.461$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $58, 32.950, 151.985$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 33.555, 338.265$, and $27, 32.940, 338.584$ is the 20% darker color. If you saturate the color by 10%, you get $44, 41.241, 339.390$, and if you desaturate by 10%, it is $51, 25.176, 337.613$.

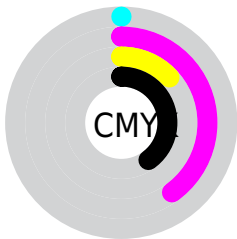
Distribution



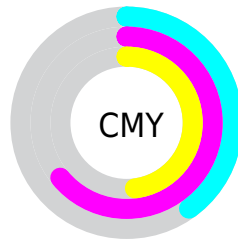
- Red (60%)
- Green (36%)
- Blue (52%)



- Red (60%)
- Yellow (36%)
- Blue (52%)



- Cyan (0%)
- Magenta (40%)
- Yellow (13%)
- Black (40%)





- Cyan (40%)
- Magenta (64%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 33.432, 338.461 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 47, 33.432, 338.461 by changing the saturation by 10% instead.


 47, 33.432,
338.461


 47, 33.432,
338.461


 100, 33.432,
338.461


 37, 33.432,
338.461

 67, 33.432,
338.461


 27, 33.432,
338.461

 77, 33.432,
338.461

 17, 33.432,
338.461

 87, 33.432,
338.461

 7, 33.432, 338.461

 97, 33.432,
338.461

 0, 33.432, 338.461

 47, 33.432,

 47, 33.432,

338.461

338.461

44, 41.241,
339.390

51, 25.176,
337.613

40, 48.274,
340.424

55, 16.735,
336.824

38, 54.138,
341.606

59, 8.290, 336.077

36, 58.452,
342.992

63, 0.042, 162.151

67, 8.190, 154.822

34, 60.955,
344.660

72, 16.114,
154.202

33, 62.041,
346.602

76, 23.799,
153.630

33, 62.047,
346.613

81, 31.242,
153.094

85, 38.450,

Harmonies

Complementary

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



47, 33.432, 338.461



58, 32.950, 151.985

Rectangle

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



47, 33.432, 338.461



47, 33.432, 28.461



47, 33.432, 158.461



47, 33.432, 208.461

Sweetspot

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



47, 33.430, 338.462



74, 12.437, 336.247



43, 37.357, 305.133



38, 8.235, 336.333



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



47, 33.430, 338.462



57, 49.268, 339.294



46, 26.789, 9.291



30, 4.719, 336.024



30, 58.412, 346.431



1, 5.021, 335.905

Inverse Universe

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



47, 33.430, 338.462



57, 49.268, 339.294



59, 22.485, 180.879



30, 4.719, 336.024



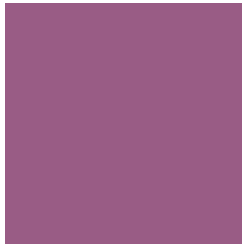
30, 58.412, 346.431



1, 5.021, 335.905

Previews

White Background



This preview shows how the CIELCh color 47, 33.432, 338.461 looks on a white background.

Color Contrast Check

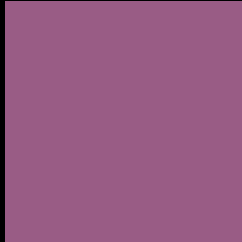
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 33.432, 338.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

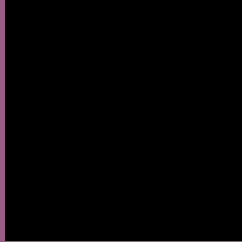
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 33.432, 338.461

Background



This preview shows how black text looks on a background with the CIELCh color 47, 33.432, 338.461.



This preview shows how white text looks on a background with the CIELCh color 47, 33.432, 338.461.

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

47, 33.432, 338.461

Protanopia

47, 20.835, 284.265

Deuteranopia

47, 12.628, 300.533



Tritanopia
47, 22.657, 10.702

Trichromacy



Original Color
47, 33.432, 338.461

Protanomaly
47, 22.844, 308.009

Deuteranomaly
47, 19.275, 322.497

Tritanomaly
47, 25.384, 355.699

Monochromacy



Original Color
47, 33.432, 338.461

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 12.143, 338.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 33.432, 338.461 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(153, 92, 133)` looks like.

```
.text, #text, p{  
    color:rgb(153, 92, 133)  
}
```

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(153, 92, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 92, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 33.432, 338.461 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(153, 92, 133) }
```

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

```
.border{ border-color:rgb(153, 92, 133) }
```

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

Here you see how a box with a 4 pixel rgb(153, 92, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 92, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 92, 133);  
box-shadow:4px 4px 4px 4px rgb(153, 92,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 33.432, 338.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 92, 133) }
```

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

```
.background{ background-color: rgb(153, 92,  
133) }
```

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