

Converting Colors

CIELCh(47, 32.845, 320.619)

Have a look what the booklet for
CIELCh(47, 32.845, 320.619)
contains.

CIELCh(47, 33.015, 320.272)	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, 33.015, 320.272)

Conversions

Conversions Part 1

Format	Color
Hex	896193
RGB	137, 97, 147
RGB Percent	54%, 38%, 58%
CMY	0.4621, 0.6190, 0.4229
CMYK	0.07, 0.34, 0.00, 0.42
HSL	288°, 20%, 48%
HSV	288°, 34%, 58%
XYZ	19.9089, 16.0195, 29.7106
YIQ	114.6600, 7.7900, 24.0300

Conversions

Conversions Part 2

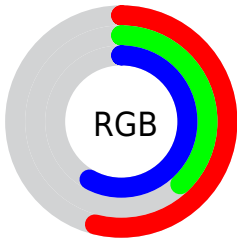
Format	Color
R _Y B	137, 97, 147
Decimal	9003411
CIE Lab	47.00, 25.39, -21.10
CIE LCh	47, 33.015, 320.272
Yxy	16.0195, 0.3033, 0.2441
Android (android.graphics.Color)	4287193491 (0xFF896193)
YUV	114.6600, 15.9436, 19.5922
Hunter-Lab	40.0243, 18.7472, -15.9948

Details

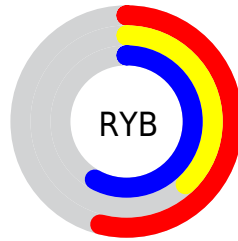
The CIELCh color $47, 33.015, 320.272$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $57, 32.530, 137.034$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 33.077, 320.320$, and $27, 32.545, 320.195$ is the 20% darker color. If you saturate the color by 10%, you get $43, 42.604, 320.668$, and if you desaturate by 10%, it is $51, 23.239, 319.844$.

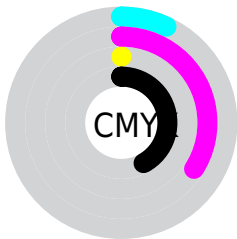
Distribution



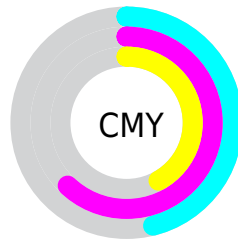
- Red (54%)
- Green (38%)
- Blue (58%)



- Red (54%)
- Yellow (38%)
- Blue (58%)



- Cyan (7%)
- Magenta (34%)
- Yellow (0%)
- Black (42%)




- Cyan (46%)
- Magenta (62%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 33.015, 320.272 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, 33.015, 320.272 by changing the saturation by 10% instead.


 47, 33.015,
320.272


 47, 33.015,
320.272


 100, 33.015,
320.272


 37, 33.015,
320.272


 67, 33.015,
320.272


 27, 33.015,
320.272


 77, 33.015,
320.272

 17, 33.015,
320.272

 87, 33.015,
320.272

 7, 33.015, 320.272

 97, 33.015,
320.272

 0, 33.015, 320.272

 47, 33.015,

 47, 33.015,

320.272

43, 42.604,
320.668

40, 51.752,
321.007

37, 60.110,
321.253

34, 67.265,
321.367

32, 72.796,
321.306

30, 76.411,
321.035

29, 78.131,
320.830

320.272

51, 23.239,
319.844

55, 13.463,
319.402

59, 3.804, 318.939

64, 5.666, 138.594

68, 14.904,
138.178

72, 23.890,
137.801

77, 32.617,
137.452

81, 41.087,
137.132

■ 85, 49.307,
136.838

Harmonies

Complementary

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



47, 33.015, 320.272



57, 32.530, 137.034

Rectangle

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



47, 33.015, 320.272



47, 33.015, 10.272



47, 33.015, 140.272



47, 33.015, 190.272

Sweetspot

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



47, 33.013, 320.272



72, 11.887, 319.233



46, 23.915, 285.203



38, 8.183, 319.291



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



47, 33.013, 320.272



57, 49.237, 320.587



48, 28.230, 336.705



29, 5.440, 319.188



27, 74.429, 320.871



1, 4.721, 318.810

Inverse Universe

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



47, 21.932, 7.058



57, 33.200, 8.341



57, 27.917, 151.544



29, 3.457, 4.017



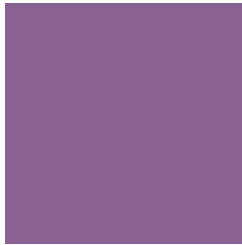
28, 58.064, 28.007



1, 2.956, 3.250

Previews

White Background



This preview shows how the CIELCh color 47, 33.015, 320.272 looks on a white background.

Color Contrast Check

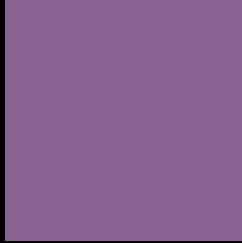
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.015, 320.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

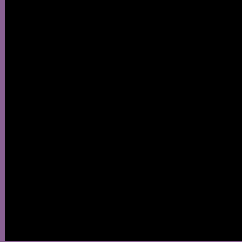
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 33.015, 320.272

Background



This preview shows how black text looks on a background with the CIELCh color 47, 33.015, 320.272.



This preview shows how white text looks on a background with the CIELCh color 47, 33.015, 320.272.

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, 33.015, 320.272

Protanopia

47, 27.967, 285.082

Deuteranopia

47, 20.741, 288.057



Tritanopia
47, 12.550, 359.041

Trichromacy



Original Color
47, 33.015, 320.272

Protanomaly
47, 28.651, 298.748

Deuteranomaly
47, 24.796, 303.379

Tritanomaly
47, 18.631, 335.128

Monochromacy



Original Color
47, 33.015, 320.272

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 12.024, 318.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 33.015, 320.272 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(137, 97, 147)` looks like.

```
.text, #text, p{  
    color:rgb(137, 97, 147)  
}
```

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(137, 97, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 97, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 33.015, 320.272 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(137, 97, 147) }
```

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

```
.border{ border-color:rgb(137, 97, 147) }
```

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

Here you see how a box with a 4 pixel rgb(137, 97, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 97, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 97, 147);  
box-shadow:4px 4px 4px 4px rgb(137, 97,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 33.015, 320.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 97, 147) }
```

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

```
.background{ background-color: rgb(137, 97,  
147) }
```

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