

Converting Colors

CIELCh(37, 67.047, 320.641)

Have a look what the booklet for
CIELCh(37, 67.047, 320.641)
contains.

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Color

CIELCh(37, 67.052, 320.635)

Conversions

Conversions Part 1

Format	Color
Hex	85319D
RGB	133, 49, 157
RGB Percent	52%, 19%, 62%
CMY	0.4800, 0.8094, 0.3859
CMYK	0.15, 0.69, 0.00, 0.39
HSL	287°, 53%, 40%
HSV	287°, 69%, 61%
XYZ	16.7433, 9.5379, 32.6803
YIQ	86.4280, 15.3960, 51.3960

Conversions

Conversions Part 2

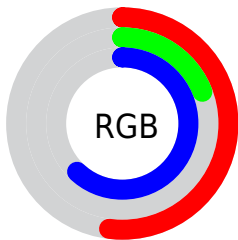
Format	Color
R _Y B	133, 49, 157
Decimal	8728989
CIE Lab	37.00, 51.84, -42.53
CIE LCh	37, 67.052, 320.635
Yxy	9.5379, 0.2840, 0.1618
Android (android.graphics.Color)	4286919069 (0xFF85319D)
YUV	86.4280, 34.7920, 40.8436
Hunter-Lab	30.8835, 42.7262, -41.1209

Details

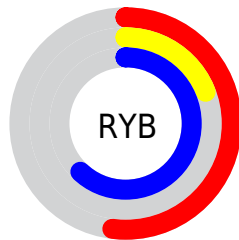
The CIELCh color **37, 67.052, 320.635** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **58, 65.509, 134.311**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 66.961, 320.703**, and **19, 61.666, 319.495** is the 20% darker color. If you saturate the color by 10%, you get **34, 73.813, 320.649**, and if you desaturate by 10%, it is **40, 58.798, 320.458**.

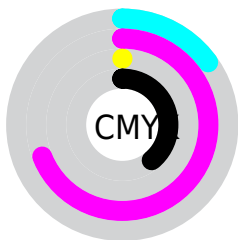
Distribution



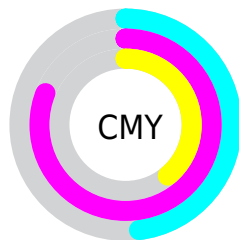
- Red (52%)
- Green (19%)
- Blue (62%)



- Red (52%)
- Yellow (19%)
- Blue (62%)



- Cyan (15%)
- Magenta (69%)
- Yellow (0%)
- Black (39%)





- Cyan (48%)
- Magenta (81%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 67.052, 320.635 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 37, 67.052, 320.635 by changing the saturation by 10% instead.


 37, 67.052,
320.635


 37, 67.052,
320.635

 100, 67.052,
320.635

 27, 67.052,
320.635

 57, 67.052,
320.635


 17, 67.052,
320.635


 67, 67.052,
320.635

 7, 67.052, 320.635

 77, 67.052,
320.635

 0, 67.052, 320.635

 87, 67.052,
320.635

 97, 67.052,
320.635

37, 67.052,
320.635

37, 67.052,
320.635

34, 73.813,
320.649

40, 58.798,
320.458

32, 78.668,
320.455

44, 49.520,
320.164

31, 81.750,
320.066

48, 39.626,
319.793

31, 82.057,
320.027

52, 29.435,
319.379

56, 19.173,
318.945

61, 8.990, 318.503

65, 1.018, 138.266

70, 10.795,
137.714

■ 74, 20.315,
137.328

Harmonies

Complementary

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



37, 67.052, 320.635



58, 65.509, 134.311

Rectangle

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



37, 67.052, 320.635



37, 67.052, 10.635



37, 67.052, 140.635



37, 67.052, 190.635

Sweetspot

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



37, 67.051, 320.635



70, 26.373, 319.052



34, 51.696, 291.660



35, 17.835, 319.163



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



37, 67.051, 320.635



44, 93.451, 320.568



39, 56.868, 338.319



31, 5.715, 318.515



28, 76.681, 320.087



1, 7.347, 317.105

Inverse Universe

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



37, 47.655, 13.299



45, 68.615, 19.402



57, 57.981, 145.784



31, 3.685, 2.353



29, 58.910, 26.461



1, 4.696, 2.426

Previews

White Background



This preview shows how the CIELCh color 37, 67.052, 320.635 looks on a white background.

Color Contrast Check

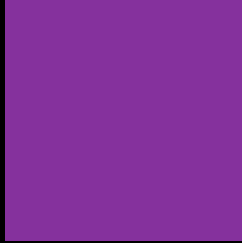
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 67.052, 320.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

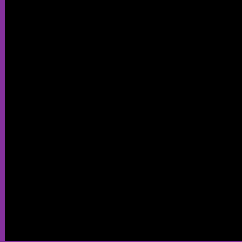
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 67.052, 320.635

Background



This preview shows how black text looks on a background with the CIELCh color 37, 67.052, 320.635.



This preview shows how white text looks on a background with the CIELCh color 37, 67.052, 320.635.

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





Tritanopia
37, 21.850, 15.086

Trichromacy



Original Color
37, 67.052, 320.635



Protanomaly
34, 61.366, 294.626



Deuteranomaly
35, 48.381, 298.134



Tritanomaly
37, 34.677, 338.391

Monochromacy



Original Color
37, 67.052, 320.635



Achromatopsia
37, 0.005, 296.813



Achromatomaly
35, 27.591, 319.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 67.052, 320.635 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(133, 49, 157)` looks like.

```
.text, #text, p{  
    color:rgb(133, 49, 157)  
}
```

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(133, 49, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 49, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 67.052, 320.635 is called "border". The border property can be set on classes, ids or directly on the HTML element.

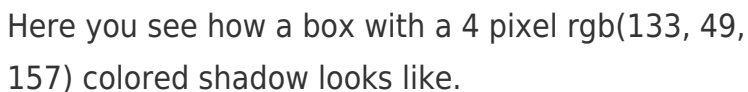
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 49, 157) }
```

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

```
.border{ border-color:rgb(133, 49, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 49, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 49, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 49, 157); box-shadow:4px 4px 4px 4px rgb(133, 49, 157) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 67.052, 320.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 49, 157) }
```

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

```
.background{ background-color: rgb(133, 49,  
157) }
```

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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