

Converting Colors

CIELCh(33, 82.748, 320.450)

Have a look what the booklet for
CIELCh(33, 82.748, 320.450)
contains.

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Color

CIELCh(33, 82.849, 320.499)

Conversions

Conversions Part 1

Format	Color
Hex	8208A3
RGB	130, 8, 163
RGB Percent	51%, 3%, 64%
CMY	0.4913, 0.9674, 0.3619
CMYK	0.20, 0.95, 0.00, 0.36
HSL	287°, 90%, 34%
HSV	287°, 95%, 64%
XYZ	15.8366, 7.5373, 35.1370
YIQ	62.1480, 22.9570, 74.0690

Conversions

Conversions Part 2

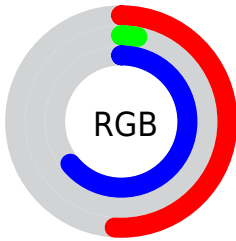
Format	Color
RYB	130, 8, 163
Decimal	8521891
CIELab	33.00, 63.93, -52.70
CIElCh	33, 82.849, 320.499
Yxy	7.5373, 0.2707, 0.1288
Android (android.graphics.Color)	4286711971 (0xFF8208A3)
YUV	62.1480, 49.7200, 59.5062
Hunter-Lab	27.4541, 54.9213, -56.6641

Details

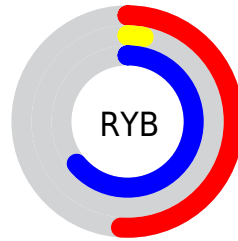
The CIELCh color **33, 82.849, 320.499** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **59, 82.120, 134.284**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 82.973, 320.450**, and **18, 64.601, 316.978** is the 20% darker color. If you saturate the color by 10%, you get **32, 84.300, 320.294**, and if you desaturate by 10%, it is **35, 79.213, 320.830**.

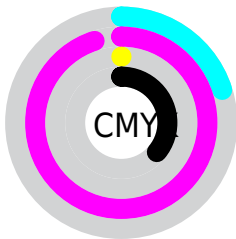
Distribution



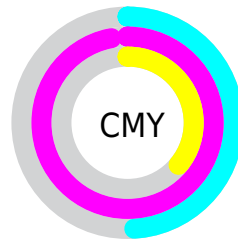
- Red (51%)
- Green (3%)
- Blue (64%)



- Red (51%)
- Yellow (3%)
- Blue (64%)



- Cyan (20%)
- Magenta (95%)
- Yellow (0%)
- Black (36%)



- Cyan (49%)
- Magenta (97%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 82.849, 320.499 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, 82.849, 320.499 by changing the saturation by 10% instead.

 33, 82.849,
320.499

 33, 82.849,
320.499

 100, 82.849,
320.499

 23, 82.849,
320.499

 53, 82.849,
320.499

 13, 82.849,
320.499


 63, 82.849,
320.499

 3, 82.849, 320.499

 73, 82.849,
320.499

 0, 82.849, 320.499

 83, 82.849,
320.499

 93, 82.849,
320.499

■ 33, 82.849,
320.499

■ 33, 82.849,
320.499

■ 32, 84.300,
320.294

■ 35, 79.213,
320.830

■ 37, 73.452,
320.934

■ 40, 65.862,
320.848

■ 43, 56.905,
320.618

■ 47, 47.048,
320.288

■ 51, 36.683,
319.895

■ 56, 26.104,
319.468

■ 60, 15.516,

319.027

■ 65, 5.051, 318.571

Harmonies

Complementary

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



33, 82.849, 320.499



59, 82.120, 134.284

Rectangle

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



33, 82.849, 320.499



33, 82.849, 10.499



33, 82.849, 140.499



33, 82.849, 190.499

Sweetspot

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



33, 82.848, 320.499



69, 36.430, 319.626



25, 77.293, 300.307



34, 25.375, 319.802



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



33, 82.848, 320.499



43, 102.566, 320.157



36, 66.323, 342.648



32, 5.882, 318.776



29, 77.582, 320.363



1, 8.955, 316.871

Inverse Universe

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



34, 63.149, 25.312



44, 80.395, 28.947



58, 74.030, 141.726



32, 3.772, 2.991



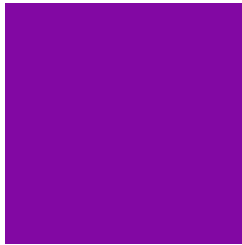
30, 60.026, 27.233



1, 5.696, 3.732

Previews

White Background



This preview shows how the CIELCh color 33, 82.849, 320.499 looks on a white background.

Color Contrast Check

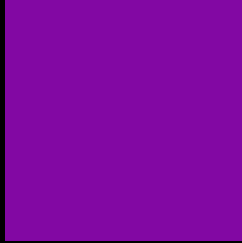
Large Text (above 18pt) WCAG AA ✓ Pass

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 33, 82.849, 320.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

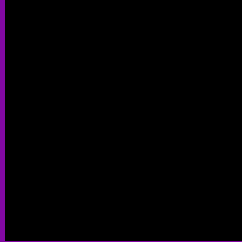
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 82.849, 320.499

Background



This preview shows how black text looks on a background with the CIELCh color 33, 82.849, 320.499.



This preview shows how white text looks on a background with the CIELCh color 33, 82.849, 320.499.

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, 83.005, 320.520

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 39.737, 275.103



Tritanopia
34, 24.192, 16.583

Trichromacy



Original Color
33, 83.005, 320.520

Protanomaly
29, 69.475, 300.404

Deuteranomaly
28, 60.535, 298.545

Tritanomaly
31, 44.657, 336.139

Monochromacy



Original Color
33, 83.005, 320.520

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 39.737, 320.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 82.849, 320.499 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(130, 8, 163)` looks like.

```
.text, #text, p{  
    color:rgb(130, 8, 163)  
}
```

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(130, 8, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 8, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 82.849, 320.499 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(130, 8, 163) }
```

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

```
.border{ border-color:rgb(130, 8, 163) }
```

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

Here you see how a box with a 4 pixel rgb(130, 8, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 8, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 8, 163);  
box-shadow:4px 4px 4px 4px rgb(130, 8,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 82.849, 320.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 8, 163) }
```

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

```
.background{ background-color: rgb(130, 8,  
163) }
```

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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