

Converting Colors

CIELCh(32, 66.280, 335.969)

Have a look what the booklet for
CIELCh(32, 66.280, 335.969)
contains.

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Color

CIELCh(32, 66.075, 336.068)

Conversions

Conversions Part 1

Format	Color
Hex	8E0077
RGB	142, 0, 119
RGB Percent	56%, 0%, 47%
CMY	0.4414, 1.0000, 0.5353
CMYK	0.00, 1.00, 0.17, 0.44
HSL	310°, 100%, 28%
HSV	310°, 100%, 56%
XYZ	14.5205, 7.0852, 17.8999
YIQ	56.0240, 46.4330, 67.1130

Conversions

Conversions Part 2

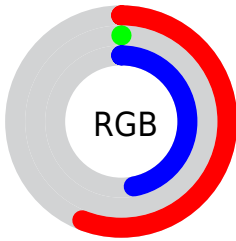
Format	Color
R_{YB}	142, 0, 119
Decimal	9306231
CIE _{Lab}	32.00, 60.39, -26.80
CIE _{LCh}	32, 66.075, 336.068
Yxy	7.0852, 0.3676, 0.1793
Android (android.graphics.Color)	4287496311 (0xFF8E0077)
YUV	56.0240, 31.0472, 75.4010
Hunter-Lab	26.6180, 50.7929, -21.2385

Details

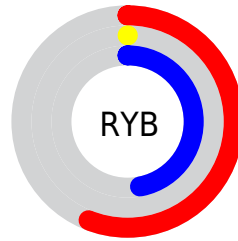
The CIELCh color **32, 66.075, 336.068** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **51, 73.555, 138.260**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 66.027, 335.534**, and **18, 45.850, 337.024** is the 20% darker color. If you saturate the color by 10%, you get **32, 65.881, 336.080**, and if you desaturate by 10%, it is **33, 64.362, 335.288**.

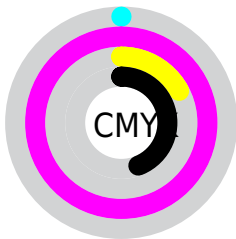
Distribution



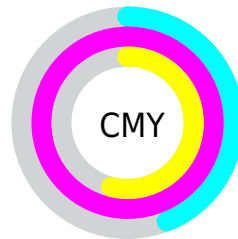
- Red (56%)
- Green (0%)
- Blue (47%)



- Red (56%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (44%)





- Cyan (44%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 66.075, 336.068 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 32, 66.075, 336.068 by changing the saturation by 10% instead.


 32, 66.075,
336.068


 32, 66.075,
336.068

 100, 66.075,
336.068


 22, 66.075,
336.068

 52, 66.075,
336.068


 12, 66.075,
336.068


 62, 66.075,
336.068

 2, 66.075, 336.068

 72, 66.075,
336.068

 0, 66.075, 336.068

 82, 66.075,
336.068

 92, 66.075,
336.068

■ 32, 66.075,
336.068

■ 32, 66.075,
336.068

■ 32, 65.881,
336.080

■ 33, 64.362,
335.288

■ 34, 61.509,
334.543

■ 36, 56.888,
333.846

■ 38, 50.734,
333.176

■ 41, 43.398,
332.522

■ 44, 35.247,
331.878

■ 48, 26.608,
331.243

■ 51, 17.740,

330.618

■ 55, 8.830, 330.000

Harmonies

Complementary

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



32, 66.075, 336.068



51, 73.555, 138.260

Rectangle

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



32, 66.075, 336.068



32, 66.075, 26.068



32, 66.075, 156.068



32, 66.075, 206.068

Sweetspot

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



32, 65.881, 336.080



61, 33.092, 331.283



16, 85.606, 307.127



30, 22.715, 331.523



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



32, 65.881, 336.080



42, 80.011, 336.281



29, 55.745, 16.757



28, 4.993, 329.949



30, 63.447, 336.035



1, 3.352, 329.436

Inverse Universe

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



32, 65.881, 336.080



42, 80.011, 336.281



52, 47.332, 159.816



28, 4.993, 329.949



30, 63.447, 336.035



1, 3.352, 329.436

Previews

White Background



This preview shows how the CIELCh color 32, 66.075, 336.068 looks on a white background.

Color Contrast Check

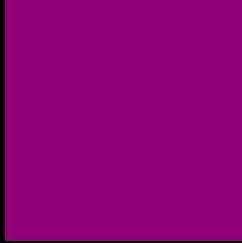
Large Text (above 18pt) WCAG AA ✓ Pass

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 32, 66.075, 336.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

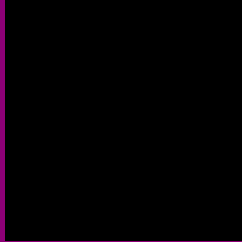
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 66.075, 336.068

Background



This preview shows how black text looks on a background with the CIELCh color 32, 66.075, 336.068.



This preview shows how white text looks on a background with the CIELCh color 32, 66.075, 336.068.

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

32, 66.033, 335.740

Protanopia

33, 53.546, 286.203

Deuteranopia

34, 20.944, 283.090



Tritanopia
33, 42.759, 26.873

Trichromacy



Original Color
32, 66.033, 335.740

Protanomaly
27, 62.750, 301.495

Deuteranomaly
29, 43.055, 317.534

Tritanomaly
31, 47.758, 1.240

Monochromacy



Original Color
32, 66.033, 335.740

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 33.740, 332.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 66.075, 336.068 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(142, 0, 119)` looks like.

```
.text, #text, p{  
    color:rgb(142, 0, 119)  
}
```

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(142, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 0, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 66.075, 336.068 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(142, 0, 119) }
```

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

```
.border{ border-color:rgb(142, 0, 119) }
```

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

Here you see how a box with a 4 pixel rgb(142, 0, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(142, 0,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 66.075, 336.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 0, 119) }
```

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

```
.background{ background-color: rgb(142, 0,  
119) }
```

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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