

Converting Colors

CIELCh(35, 68.537, 338.005)

Have a look what the booklet for
CIELCh(35, 68.537, 338.005)
contains.

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Color

CIELCh(35, 68.429, 338.309)

Conversions

Conversions Part 1

Format	Color
Hex	9C007C
RGB	156, 0, 124
RGB Percent	61%, 0%, 49%
CMY	0.3888, 1.0000, 0.5142
CMYK	0.00, 1.00, 0.21, 0.39
HSL	312°, 100%, 31%
HSV	312°, 100%, 61%
XYZ	17.3093, 8.4984, 19.7546
YIQ	60.7800, 53.1720, 71.6360

Conversions

Conversions Part 2

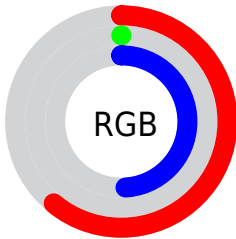
Format	Color
RYB	156, 0, 124
Decimal	10223740
CIELab	35.00, 63.58, -25.29
CIELCh	35, 68.429, 338.309
Yxy	8.4984, 0.3799, 0.1865
Android (android.graphics.Color)	4288413820 (0xFF9C007C)
YUV	60.7800, 31.1675, 83.5079
Hunter-Lab	29.1520, 54.9702, -19.7709

Details

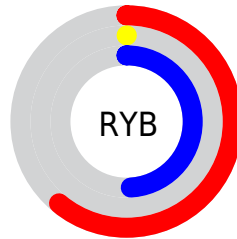
The CIELCh color **35, 68.429, 338.309** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **56, 77.364, 138.903**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 68.523, 338.186**, and **21, 48.515, 340.423** is the 20% darker color. If you saturate the color by 10%, you get **35, 68.380, 338.314**, and if you desaturate by 10%, it is **36, 67.097, 337.280**.

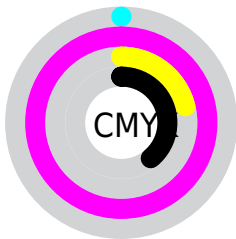
Distribution



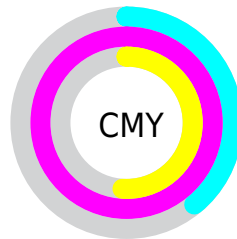
- Red (61%)
- Green (0%)
- Blue (49%)



- Red (61%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (39%)





- Cyan (39%)
- Magenta (100%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 68.429, 338.309 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 35, 68.429, 338.309 by changing the saturation by 10% instead.


 35, 68.429,
338.309


 35, 68.429,
338.309

 100, 68.429,
338.309


 25, 68.429,
338.309

 55, 68.429,
338.309


 15, 68.429,
338.309


 65, 68.429,
338.309

 5, 68.429, 338.309

 75, 68.429,
338.309

 0, 68.429, 338.309

 85, 68.429,
338.309

 95, 68.429,
338.309

■ 35, 68.429,
338.309

■ 35, 68.429,
338.309

■ 35, 68.380,
338.314

■ 36, 67.097,
337.280

■ 37, 64.292,
336.344

■ 39, 59.571,
335.504

■ 42, 53.186,
334.727

■ 45, 45.520,
333.991

■ 48, 36.976,
333.286

■ 52, 27.911,
332.603

■ 56, 18.604,

331.942

■ 60, 9.257, 331.294

Harmonies

Complementary

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



35, 68.429, 338.309



56, 77.364, 138.903

Rectangle

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



35, 68.429, 338.309



35, 68.429, 28.309



35, 68.429, 158.309



35, 68.429, 208.309

Sweetspot

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



35, 68.380, 338.314



66, 34.394, 332.642



19, 91.126, 307.348



33, 23.610, 332.907



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



35, 68.380, 338.314



46, 82.468, 338.551



32, 60.449, 20.290



31, 5.293, 331.246



32, 64.213, 338.221



1, 6.721, 331.890

Inverse Universe

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



35, 68.380, 338.314



46, 82.468, 338.551



57, 48.664, 162.165



31, 5.293, 331.246



32, 64.213, 338.221



1, 6.721, 331.890

Previews

White Background



This preview shows how the CIELCh color 35, 68.429, 338.309 looks on a white background.

Color Contrast Check

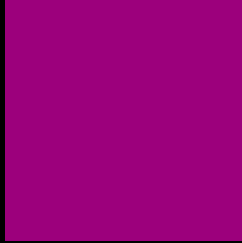
Large Text (above 18pt) WCAG AA ✓ Pass

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 35, 68.429, 338.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

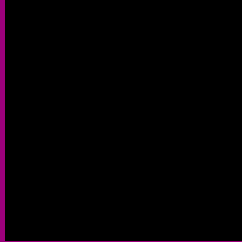
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 68.429, 338.309

Background



This preview shows how black text looks on a background with the CIELCh color 35, 68.429, 338.309.



This preview shows how white text looks on a background with the CIELCh color 35, 68.429, 338.309.

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

35, 68.429, 338.309

Protanopia

36, 57.714, 286.818

Deuteranopia

36, 19.960, 285.152



Tritanopia
36, 47.884, 27.780

Trichromacy



Original Color
35, 68.429, 338.309

Protanomaly
29, 65.762, 301.609

Deuteranomaly
32, 44.587, 320.640

Tritanomaly
34, 51.851, 4.106

Monochromacy



Original Color
35, 68.429, 338.309

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 35.440, 334.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 68.429, 338.309 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(156, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 124)  
}
```

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(156, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 68.429, 338.309 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(156, 0, 124) }
```

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

```
.border{ border-color:rgb(156, 0, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 0, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 68.429, 338.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 124) }
```

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

```
.background{ background-color: rgb(156, 0,  
124) }
```

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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