

Converting Colors

CIELCh(35, 86.961, 321.501)

Have a look what the booklet for
CIELCh(35, 86.961, 321.501)
contains.

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Color

CIELCh(35, 87.050, 321.403)

Conversions

Conversions Part 1

Format	Color
Hex	8C00AB
RGB	140, 0, 171
RGB Percent	55%, 0%, 67%
CMY	0.4514, 1.0000, 0.3298
CMYK	0.18, 1.00, 0.00, 0.33
HSL	289°, 100%, 34%
HSV	289°, 100%, 67%
XYZ	18.1376, 8.4984, 39.1652
YIQ	61.3540, 28.5490, 82.8610

Conversions

Conversions Part 2

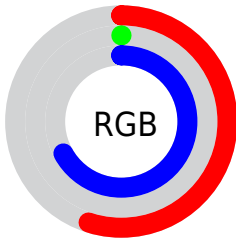
Format	Color
R_{YB}	140, 0, 171
Decimal	9175211
CIE _{Lab}	35.00, 68.03, -54.31
CIE _{LCh}	35, 87.050, 321.403
Yxy	8.4984, 0.2756, 0.1292
Android (android.graphics.Color)	4287365291 (0xFF8C00AB)
YUV	61.3540, 54.0555, 68.9725
Hunter-Lab	29.1520, 60.0421, -59.2487

Details

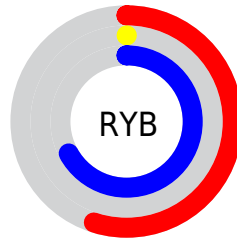
The CIELCh color **35, 87.050, 321.403** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **61, 87.315, 134.812**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 86.867, 321.481**, and **21, 67.477, 318.098** is the 20% darker color. If you saturate the color by 10%, you get **35, 87.016, 321.399**, and if you desaturate by 10%, it is **36, 84.210, 321.757**.

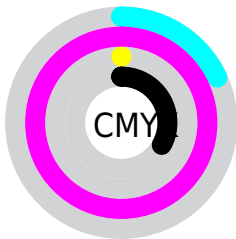
Distribution



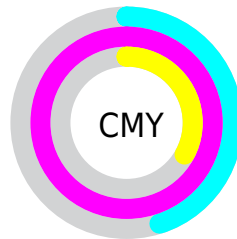
- Red (55%)
- Green (0%)
- Blue (67%)



- Red (55%)
- Yellow (0%)
- Blue (67%)



- Cyan (18%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (45%)
- Magenta (100%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 87.050, 321.403 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, 87.050, 321.403 by changing the saturation by 10% instead.

 35, 87.050,
321.403


 35, 87.050,
321.403

 100, 87.050,
321.403


 25, 87.050,
321.403

 55, 87.050,
321.403


 15, 87.050,
321.403


 65, 87.050,
321.403

 5, 87.050, 321.403

 75, 87.050,
321.403

 0, 87.050, 321.403

 85, 87.050,
321.403

 95, 87.050,
321.403

■ 35, 87.050,
321.403

■ 35, 87.050,
321.403

■ 35, 87.016,
321.399

■ 36, 84.210,
321.757

■ 38, 79.568,
321.944

■ 41, 72.803,
321.934

■ 44, 64.303,
321.764

■ 48, 54.555,
321.476

■ 52, 44.017,
321.107

■ 56, 33.061,
320.688

■ 61, 21.960,

320.244

■ 65, 10.902,
319.788

Harmonies

Complementary

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



35, 87.050, 321.403



61, 87.315, 134.812

Rectangle

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



35, 87.050, 321.403



35, 87.050, 11.403



35, 87.050, 141.403



35, 87.050, 191.403

Sweetspot

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



35, 87.016, 321.399



71, 40.880, 320.711



23, 87.824, 302.821



36, 28.115, 320.886



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



35, 87.016, 321.399



46, 105.761, 321.285



38, 67.761, 345.996



34, 6.242, 319.756



30, 79.207, 321.465



2, 12.839, 317.315

Inverse Universe

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



35, 69.490, 30.480



47, 85.236, 31.502



61, 77.418, 141.790



34, 3.923, 5.455



31, 62.924, 29.873



2, 8.002, 7.295

Previews

White Background



This preview shows how the CIELCh color 35, 87.050, 321.403 looks on a white background.

Color Contrast Check

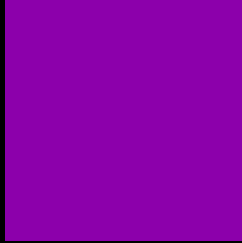
Large Text (above 18pt) WCAG AA ✓ Pass

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 35, 87.050, 321.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

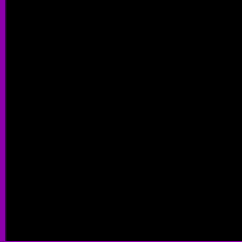
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 87.050, 321.403

Background



This preview shows how black text looks on a background with the CIELCh color 35, 87.050, 321.403.

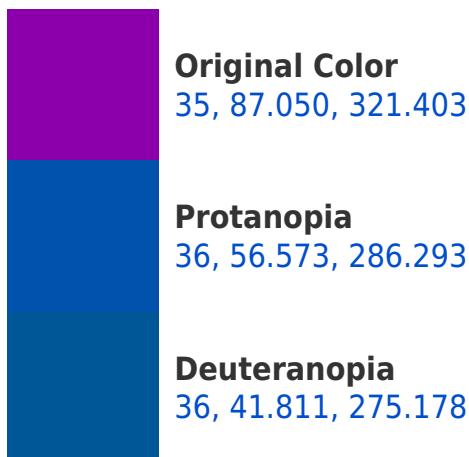


This preview shows how white text looks on a background with the CIELCh color 35, 87.050, 321.403.

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
36, 27.227, 17.884

Trichromacy



Original Color
35, 87.050, 321.403

Protanomaly
30, 74.981, 301.446

Deuteranomaly
29, 65.683, 299.883

Tritanomaly
33, 48.647, 337.778

Monochromacy



Original Color
35, 87.050, 321.403

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 42.932, 321.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 87.050, 321.403 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(140, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 171)  
}
```

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(140, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 87.050, 321.403 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(140, 0, 171) }
```

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

```
.border{ border-color:rgb(140, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 87.050, 321.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 171) }
```

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

```
.background{ background-color: rgb(140, 0,  
171) }
```

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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