

Converting Colors

CIELCh(35, 96.786, 316.786)

Have a look what the booklet for
CIELCh(35, 96.786, 316.786)
contains.

CIELCh(35, 96.721, 316.737)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(35, 96.721, 316.737)

Conversions

Conversions Part 1

Format	Color
Hex	8200BF
RGB	130, 0, 191
RGB Percent	51%, 0%, 75%
CMY	0.4904, 1.0000, 0.2512
CMYK	0.32, 1.00, 0.00, 0.25
HSL	281°, 100%, 37%
HSV	281°, 100%, 75%
XYZ	18.5950, 8.4984, 49.9207
YIQ	60.6440, 16.1690, 86.9610

Conversions

Conversions Part 2

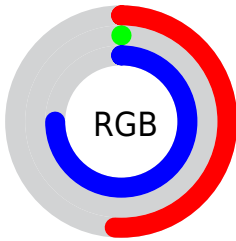
Format	Color
R_{YB}	130, 0, 191
Decimal	8519871
CIE Lab	35.00, 70.43, -66.29
CIE LCh	35, 96.721, 316.737
Yxy	8.4984, 0.2414, 0.1103
Android (android.graphics.Color)	4286709951 (0xFF8200BF)
YUV	60.6440, 64.2655, 60.8252
Hunter-Lab	29.1520, 62.8426, -81.1234

Details

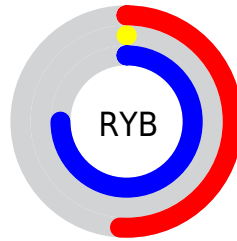
The CIELCh color **35, 96.721, 316.737** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **68, 92.443, 132.812**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 96.694, 316.888**, and **21, 77.641, 312.695** is the 20% darker color. If you saturate the color by 10%, you get **35, 96.703, 316.735**, and if you desaturate by 10%, it is **37, 93.193, 317.304**.

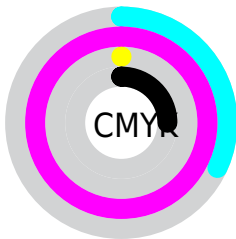
Distribution



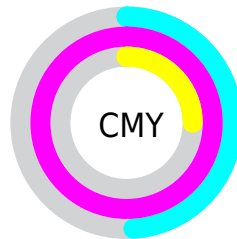
- Red (51%)
- Green (0%)
- Blue (75%)



- Red (51%)
- Yellow (0%)
- Blue (75%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (49%)
- Magenta (100%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 96.721, 316.737 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, 96.721, 316.737 by changing the saturation by 10% instead.


 35, 96.721,
316.737


 35, 96.721,
316.737

 100, 96.721,
316.737


 25, 96.721,
316.737

 55, 96.721,
316.737


 15, 96.721,
316.737


 65, 96.721,
316.737

 5, 96.721, 316.737

 75, 96.721,
316.737

 0, 96.721, 316.737

 85, 96.721,
316.737

 95, 96.721,
316.737

35, 96.721,
316.737

35, 96.721,
316.737

35, 96.703,
316.735

37, 93.193,
317.304

39, 87.457,
317.617

43, 79.384,
317.658

47, 69.554,
317.496

51, 58.581,
317.197

56, 46.974,
316.815

61, 35.107,
316.390

67, 23.230,

315.951

■ 72, 11.499,
315.514

Harmonies

Complementary

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



35, 96.721, 316.737



68, 92.443, 132.812

Rectangle

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



35, 96.721, 316.737



35, 96.721, 6.737



35, 96.721, 136.737



35, 96.721, 186.737

Sweetspot

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



35, 96.703, 316.735



78, 43.330, 316.411



33, 78.884, 296.686



39, 29.863, 316.595



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



35, 96.703, 316.735



46, 117.575, 316.579



44, 81.613, 336.216



37, 6.450, 315.485



28, 84.021, 316.873



2, 18.815, 311.757

Inverse Universe

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



40, 69.972, 19.479



52, 85.402, 20.470



68, 92.129, 137.875



37, 4.464, 355.443



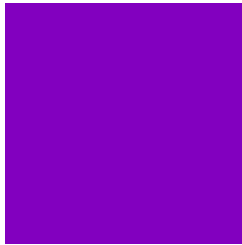
33, 60.605, 18.593



3, 12.921, 1.643

Previews

White Background



This preview shows how the CIELCh color 35, 96.721, 316.737 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, 96.721, 316.737 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, 96.721, 316.737

Background



This preview shows how black text looks on a background with the CIELCh color 35, 96.721, 316.737.



This preview shows how white text looks on a background with the CIELCh color 35, 96.721, 316.737.

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, 96.721, 316.737

Protanopia

36, 56.003, 286.022

Deuteranopia

36, 40.207, 273.596



Tritanopia
36, 15.939, 10.952

Trichromacy



Original Color
35, 96.721, 316.737



Protanomaly
30, 78.972, 301.348



Deuteranomaly
29, 68.657, 299.656



Tritanomaly
32, 49.189, 326.056

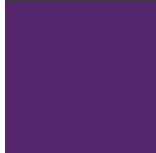
Monochromacy



Original Color
35, 96.721, 316.737



Achromatopsia
26, 0.004, 296.813



Achromatomaly
25, 46.417, 317.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 96.721, 316.737 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, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 191)  
}
```

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, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 96.721, 316.737 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, 0, 191) }
```

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

```
.border{ border-color:rgb(130, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 96.721, 316.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 191) }
```

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

```
.background{ background-color: rgb(130, 0,  
191) }
```

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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