

Converting Colors

CIELCh(35, 96.318, 316.057)

Have a look what the booklet for
CIELCh(35, 96.318, 316.057)
contains.

CIELCh(35, 96.451, 315.985)	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, 96.451, 315.985)

Conversions

Conversions Part 1

Format	Color
Hex	7F07C0
RGB	127, 7, 192
RGB Percent	50%, 3%, 75%
CMY	0.5013, 0.9710, 0.2464
CMYK	0.34, 0.96, 0.00, 0.25
HSL	279°, 93%, 39%
HSV	279°, 96%, 75%
XYZ	18.3901, 8.4984, 50.6340
YIQ	63.9700, 12.1350, 82.9750

Conversions

Conversions Part 2

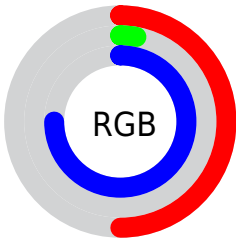
Format	Color
R_{YB}	127, 7, 192
Decimal	8325056
CIE _{Lab}	35.00, 69.36, -67.02
CIE _{LCh}	35, 96.451, 315.985
Yxy	8.4984, 0.2372, 0.1096
Android (android.graphics.Color)	4286515136 (0xFF7F07C0)
YUV	63.9700, 63.1188, 55.2773
Hunter-Lab	29.1520, 61.5878, -82.5742

Details

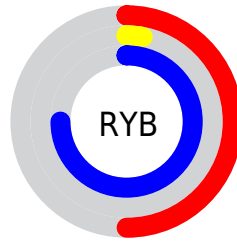
The CIELCh color **35, 96.451, 315.985** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **69, 90.829, 131.863**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 96.711, 316.012**, and **20, 78.483, 312.091** is the 20% darker color. If you saturate the color by 10%, you get **34, 97.780, 315.754**, and if you desaturate by 10%, it is **37, 92.096, 316.502**.

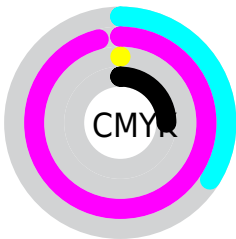
Distribution



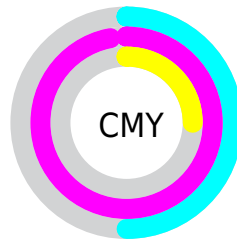
- Red (50%)
- Green (3%)
- Blue (75%)



- Red (50%)
- Yellow (3%)
- Blue (75%)



- Cyan (34%)
- Magenta (96%)
- Yellow (0%)
- Black (25%)





- Cyan (50%)
- Magenta (97%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 96.451, 315.985 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, 96.451, 315.985 by changing the saturation by 10% instead.


 35, 96.451,
315.985


 35, 96.451,
315.985

 100, 96.451,
315.985


 25, 96.451,
315.985

 55, 96.451,
315.985


 15, 96.451,
315.985


 65, 96.451,
315.985

 5, 96.451, 315.985

 75, 96.451,
315.985

 0, 96.451, 315.985

 85, 96.451,
315.985

 95, 96.451,
315.985

■ 35, 96.451,
315.985

■ 35, 96.451,
315.985

■ 34, 97.780,
315.754

■ 37, 92.096,
316.502

■ 40, 85.165,
316.698

■ 44, 76.116,
316.638

■ 48, 65.599,
316.398

■ 53, 54.209,
316.045

■ 58, 42.397,
315.629

■ 63, 30.476,
315.186

■ 69, 18.645,

314.742

■ 74, 7.024, 314.302

Harmonies

Complementary

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



35, 96.451, 315.985



69, 90.829, 131.863

Rectangle

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



35, 96.451, 315.985



35, 96.451, 5.985



35, 96.451, 135.985



35, 96.451, 185.985

Sweetspot

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



35, 96.451, 315.985



79, 41.938, 315.334



36, 71.934, 293.375



39, 28.848, 315.524



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, 96.451, 315.985



45, 119.266, 315.589



45, 83.699, 334.134



38, 6.541, 314.444



28, 85.551, 315.892



2, 20.887, 311.000

Inverse Universe

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



41, 68.282, 14.522



53, 84.913, 17.456



68, 92.372, 137.715



38, 4.644, 353.287



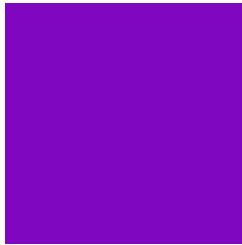
34, 60.643, 15.663



3, 14.838, 0.805

Previews

White Background



This preview shows how the CIELCh color 35, 96.451, 315.985 looks on a white background.

Color Contrast Check

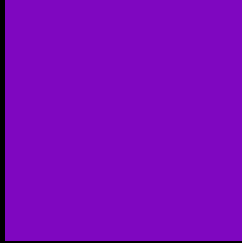
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.451, 315.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

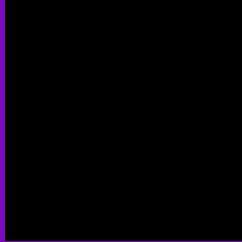
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 96.451, 315.985

Background



This preview shows how black text looks on a background with the CIELCh color 35, 96.451, 315.985.



This preview shows how white text looks on a background with the CIELCh color 35, 96.451, 315.985.

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, 96.451, 315.985

Protanopia

36, 56.072, 286.279

Deuteranopia

36, 40.216, 273.933



Tritanopia
36, 14.676, 7.277

Trichromacy



Original Color
35, 96.451, 315.985

Protanomaly
31, 77.756, 300.765

Deuteranomaly
30, 67.363, 298.908

Tritanomaly
32, 48.222, 324.256

Monochromacy



Original Color
35, 96.451, 315.985

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 45.578, 316.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 96.451, 315.985 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(127, 7, 192)` looks like.

```
.text, #text, p{  
  color:rgb(127, 7, 192)  
}
```

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(127, 7, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 7, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 96.451, 315.985 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(127, 7, 192) }
```

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

```
.border{ border-color:rgb(127, 7, 192) }
```

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

Here you see how a box with a 4 pixel rgb(127, 7, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 7, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 7, 192);  
box-shadow:4px 4px 4px 4px rgb(127, 7,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 96.451, 315.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 7, 192) }
```

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

```
.background{ background-color: rgb(127, 7,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor