

Converting Colors

CIELCh(34, 97.212, 316.097)

Have a look what the booklet for
CIELCh(34, 97.212, 316.097)
contains.

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Color

CIELCh(34, 96.769, 316.049)

Conversions

Conversions Part 1

Format	Color
Hex	7D00BE
RGB	125, 0, 190
RGB Percent	49%, 0%, 75%
CMY	0.5114, 1.0000, 0.2565
CMYK	0.34, 1.00, 0.00, 0.26
HSL	279°, 100%, 37%
HSV	279°, 100%, 74%
XYZ	17.6362, 8.0082, 49.0999
YIQ	59.0350, 13.5100, 85.5900

Conversions

Conversions Part 2

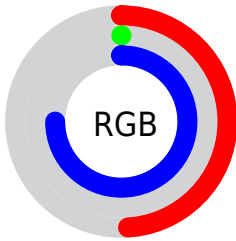
Format	Color
R_{YB}	125, 0, 190
Decimal	8192190
CIE _{Lab}	34.00, 69.67, -67.16
CIE _{LCh}	34, 96.769, 316.049
Yxy	8.0082, 0.2360, 0.1071
Android (android.graphics.Color)	4286382270 (0xFF7D00BE)
YUV	59.0350, 64.5657, 57.8513
Hunter-Lab	28.2988, 61.7210, -83.0621

Details

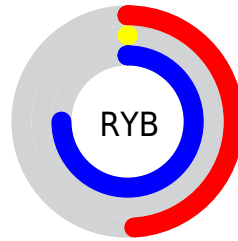
The CIELCh color **34, 96.769, 316.049** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **68, 91.422, 132.326**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 96.730, 316.194**, and **20, 77.761, 311.939** is the 20% darker color. If you saturate the color by 10%, you get **34, 96.629, 316.027**, and if you desaturate by 10%, it is **36, 92.988, 316.606**.

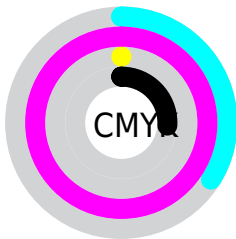
Distribution



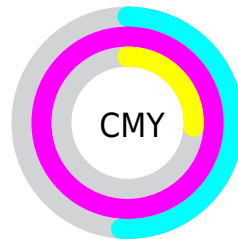
- Red (49%)
- Green (0%)
- Blue (75%)



- Red (49%)
- Yellow (0%)
- Blue (75%)



- Cyan (34%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)





- Cyan (51%)
- Magenta (100%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 96.769, 316.049 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 34, 96.769, 316.049 by changing the saturation by 10% instead.


 34, 96.769,
316.049


 34, 96.769,
316.049

 100, 96.769,
316.049


 24, 96.769,
316.049

 54, 96.769,
316.049


 14, 96.769,
316.049


 64, 96.769,
316.049

 4, 96.769, 316.049

 74, 96.769,
316.049

 0, 96.769, 316.049

 84, 96.769,
316.049

 94, 96.769,
316.049

■ 34, 96.769,
316.049

■ 34, 96.769,
316.049

■ 34, 96.629,
316.027

■ 36, 92.988,
316.606

■ 39, 87.124,
316.919

■ 42, 78.946,
316.951

■ 46, 69.060,
316.776

■ 51, 58.084,
316.465

■ 56, 46.524,
316.072

■ 61, 34.740,
315.640

■ 66, 22.972,

315.197

■ 71, 11.366,
314.758

Harmonies

Complementary

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



34, 96.769, 316.049



68, 91.422, 132.326

Rectangle

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



34, 96.769, 316.049



34, 96.769, 6.049



34, 96.769, 136.049



34, 96.769, 186.049

Sweetspot

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



34, 96.629, 316.027



77, 43.128, 315.662



33, 76.346, 295.712



39, 29.734, 315.849



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



34, 96.629, 316.027



45, 118.126, 315.860



43, 82.231, 335.278



37, 6.412, 314.730



28, 84.398, 316.166



2, 18.693, 310.819

Inverse Universe

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



40, 68.947, 17.257



52, 84.534, 18.266



67, 92.258, 137.596



37, 4.520, 353.867



33, 60.087, 16.415



3, 13.016, 0.428

Previews

White Background



This preview shows how the CIELCh color 34, 96.769, 316.049 looks on a white background.

Color Contrast Check

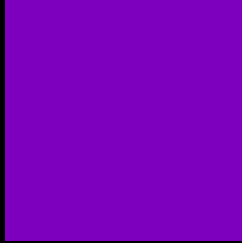
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 96.769, 316.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

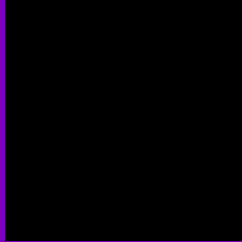
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 96.769, 316.049

Background



This preview shows how black text looks on a background with the CIELCh color 34, 96.769, 316.049.



This preview shows how white text looks on a background with the CIELCh color 34, 96.769, 316.049.

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

34, 96.769, 316.049

Protanopia

35, 54.996, 285.986

Deuteranopia

35, 39.158, 273.159



Tritanopia
35, 13.831, 6.182

Trichromacy



Original Color
34, 96.769, 316.049

Protanomaly
30, 78.004, 301.237

Deuteranomaly
29, 67.647, 299.477

Tritanomaly
31, 49.250, 323.548

Monochromacy



Original Color
34, 96.769, 316.049

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 45.838, 316.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 96.769, 316.049 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(125, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 190)  
}
```

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(125, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 96.769, 316.049 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(125, 0, 190) }
```

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

```
.border{ border-color:rgb(125, 0, 190) }
```

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

Here you see how a box with a 4 pixel rgb(125, 0, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 96.769, 316.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 190) }
```

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

```
.background{ background-color: rgb(125, 0,  
190) }
```

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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