

Converting Colors

CIELCh(34, 77.620, 320.838)

Have a look what the booklet for
CIELCh(34, 77.620, 320.838)
contains.

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Color

CIELCh(34, 77.492, 321.001)

Conversions

Conversions Part 1

Format	Color
Hex	83199F
RGB	131, 25, 159
RGB Percent	51%, 10%, 62%
CMY	0.4866, 0.9024, 0.3768
CMYK	0.18, 0.84, 0.00, 0.38
HSL	287°, 73%, 36%
HSV	287°, 84%, 62%
XYZ	15.9416, 8.0082, 33.4666
YIQ	71.9700, 20.1620, 64.1460

Conversions

Conversions Part 2

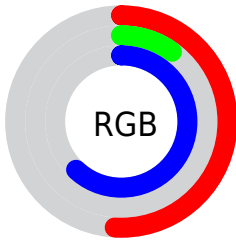
Format	Color
R_{YB}	131, 25, 159
Decimal	8591775
CIE _{Lab}	34.00, 60.22, -48.77
CIE _{LCh}	34, 77.492, 321.001
Yxy	8.0082, 0.2776, 0.1395
Android (android.graphics.Color)	4286781855 (0xFF83199F)
YUV	71.9700, 42.9058, 51.7693
Hunter-Lab	28.2988, 51.0315, -50.3082

Details

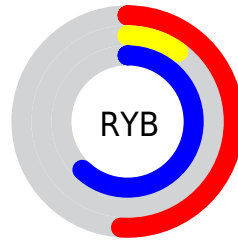
The CIELCh color **34, 77.492, 321.001** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **58, 76.430, 134.173**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 77.212, 321.164**, and **18, 62.924, 318.147** is the 20% darker color. If you saturate the color by 10%, you get **32, 81.179, 320.694**, and if you desaturate by 10%, it is **36, 71.727, 321.087**.

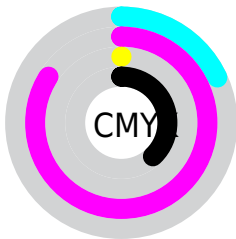
Distribution



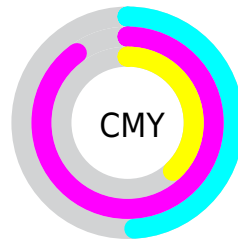
- Red (51%)
- Green (10%)
- Blue (62%)



- Red (51%)
- Yellow (10%)
- Blue (62%)



- Cyan (18%)
- Magenta (84%)
- Yellow (0%)
- Black (38%)





- Cyan (49%)
- Magenta (90%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 77.492, 321.001 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, 77.492, 321.001 by changing the saturation by 10% instead.


 34, 77.492,
321.001


 34, 77.492,
321.001

 100, 77.492,
321.001


 24, 77.492,
321.001

 54, 77.492,
321.001


 14, 77.492,
321.001


 64, 77.492,
321.001

 4, 77.492, 321.001

 74, 77.492,
321.001

 0, 77.492, 321.001

 84, 77.492,
321.001

 94, 77.492,
321.001

■ 34, 77.492,
321.001

■ 34, 77.492,
321.001

■ 32, 81.179,
320.694

■ 36, 71.727,
321.087

■ 32, 82.781,
320.476

■ 39, 64.197,
320.988

■ 43, 55.352,
320.750

■ 46, 45.647,
320.416

■ 50, 35.458,
320.021

■ 55, 25.069,
319.592

■ 59, 14.676,
319.151

■ 63, 4.408, 318.690

Harmonies

Complementary

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



34, 77.492, 321.001



58, 76.430, 134.173

Rectangle

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



34, 77.492, 321.001



34, 77.492, 11.001



34, 77.492, 141.001



34, 77.492, 191.001

Sweetspot

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



34, 77.491, 321.001



69, 31.889, 319.642



28, 66.929, 297.160



35, 21.956, 319.785



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



34, 77.491, 321.001



42, 100.628, 320.339



37, 63.371, 341.029



31, 5.736, 318.922



28, 76.529, 320.541



1, 7.376, 317.540

Inverse Universe

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



35, 57.204, 20.409



43, 79.128, 29.228



57, 67.437, 143.716



31, 3.667, 3.352



29, 59.389, 27.518



1, 4.671, 3.389

Previews

White Background



This preview shows how the CIELCh color 34, 77.492, 321.001 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, 77.492, 321.001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

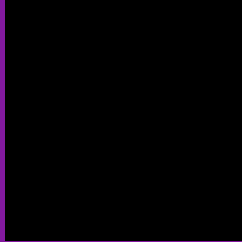
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 77.492, 321.001

Background



This preview shows how black text looks on a background with the CIELCh color 34, 77.492, 321.001.



This preview shows how white text looks on a background with the CIELCh color 34, 77.492, 321.001.

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, 77.492, 321.001

Protanopia

35, 54.491, 285.968

Deuteranopia

35, 40.793, 275.479



Tritanopia
34, 25.055, 16.974

Trichromacy



Original Color
34, 77.492, 321.001

Protanomaly
30, 65.411, 298.455

Deuteranomaly
30, 56.345, 296.112

Tritanomaly
33, 41.312, 338.262

Monochromacy



Original Color
34, 77.492, 321.001

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 34.151, 319.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 77.492, 321.001 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(131, 25, 159)` looks like.

```
.text, #text, p{  
    color:rgb(131, 25, 159)  
}
```

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(131, 25, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 25, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 77.492, 321.001 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(131, 25, 159) }
```

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

```
.border{ border-color:rgb(131, 25, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 25, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 25, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 25, 159);  
box-shadow:4px 4px 4px 4px rgb(131, 25,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 77.492, 321.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 25, 159) }
```

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

```
.background{ background-color: rgb(131, 25,  
159) }
```

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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