

Converting Colors

CIELCh(34, 91.130, 318.336)

Have a look what the booklet for
CIELCh(34, 91.130, 318.336)
contains.

CIELCh(34, 91.373, 318.227)	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(34, 91.373, 318.227)

Conversions

Conversions Part 1

Format	Color
Hex	8200B3
RGB	130, 0, 179
RGB Percent	51%, 0%, 70%
CMY	0.4900, 0.9996, 0.2979
CMYK	0.27, 1.00, 0.00, 0.30
HSL	284°, 100%, 35%
HSV	284°, 100%, 70%
XYZ	17.3553, 8.0082, 43.3024
YIQ	59.2760, 20.0210, 83.2290

Conversions

Conversions Part 2

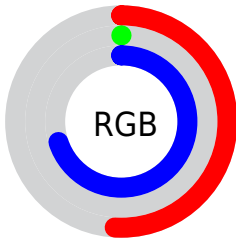
Format	Color
R_{YB}	130, 0, 179
Decimal	8519859
CIE _{Lab}	34.00, 68.15, -60.87
CIE _{LCh}	34, 91.373, 318.227
Yxy	8.0082, 0.2528, 0.1166
Android (android.graphics.Color)	4286709939 (0xFF8200B3)
YUV	59.2760, 59.0239, 62.0249
Hunter-Lab	28.2988, 59.9492, -70.9155

Details

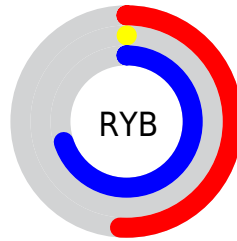
The CIELCh color **34, 91.373, 318.227** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **64, 88.938, 133.577**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 91.668, 318.239**, and **20, 72.068, 314.342** is the 20% darker color. If you saturate the color by 10%, you get **34, 91.391, 318.224**, and if you desaturate by 10%, it is **36, 88.117, 318.733**.

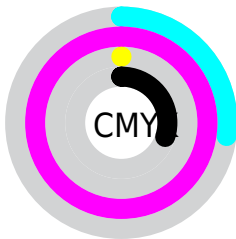
Distribution



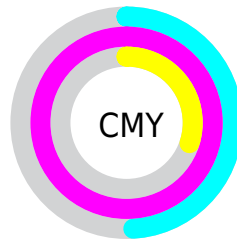
- Red (51%)
- Green (0%)
- Blue (70%)



- Red (51%)
- Yellow (0%)
- Blue (70%)



- Cyan (27%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)





- Cyan (49%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 91.373, 318.227 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, 91.373, 318.227 by changing the saturation by 10% instead.


 34, 91.373,
318.227


 34, 91.373,
318.227

 100, 91.373,
318.227


 24, 91.373,
318.227

 54, 91.373,
318.227


 14, 91.373,
318.227


 64, 91.373,
318.227

 4, 91.373, 318.227

 74, 91.373,
318.227

 0, 91.373, 318.227

 84, 91.373,
318.227

 94, 91.373,
318.227

■ 34, 91.373,
318.227

■ 34, 91.373,
318.227

■ 34, 91.391,
318.224

■ 36, 88.117,
318.733

■ 38, 82.839,
319.015

■ 41, 75.359,
319.049

■ 45, 66.179,
318.895

■ 49, 55.853,
318.610

■ 53, 44.860,
318.241

■ 58, 33.563,
317.826

■ 63, 22.214,

317.392

■ 68, 10.974,
316.955

Harmonies

Complementary

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



34, 91.373, 318.227



64, 88.938, 133.577

Rectangle

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



34, 91.373, 318.227



34, 91.373, 8.227



34, 91.373, 138.227



34, 91.373, 188.227

Sweetspot

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



34, 91.372, 318.227



74, 41.533, 317.850



28, 80.631, 299.061



37, 28.603, 318.026



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



34, 91.372, 318.227



45, 111.056, 318.074



40, 74.989, 339.151



35, 6.233, 316.928



29, 81.340, 318.333



2, 14.573, 313.381

Inverse Universe

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



38, 68.067, 23.264



49, 83.234, 24.352



64, 85.541, 138.978



35, 4.168, 358.613



32, 60.356, 22.515



2, 9.615, 2.378

Previews

White Background



This preview shows how the CIELCh color 34, 91.373, 318.227 looks on a white background.

Color Contrast Check

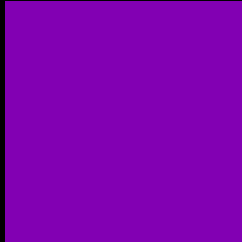
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.373, 318.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

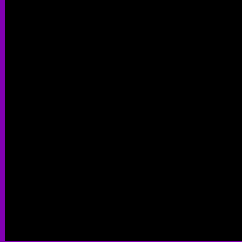
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 91.373, 318.227

Background



This preview shows how black text looks on a background with the CIELCh color 34, 91.373, 318.227.



This preview shows how white text looks on a background with the CIELCh color 34, 91.373, 318.227.

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, 91.373, 318.227

Protanopia

35, 54.996, 285.986

Deuteranopia

35, 39.690, 273.723



Tritanopia
35, 19.762, 13.908

Trichromacy



Original Color
34, 91.373, 318.227



Protanomaly
29, 75.733, 301.238



Deuteranomaly
29, 65.869, 299.529



Tritanomaly
32, 47.926, 330.024

Monochromacy



Original Color
34, 91.373, 318.227



Achromatopsia
25, 0.004, 296.813



Achromatomaly
25, 44.297, 318.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 91.373, 318.227 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 91.373, 318.227 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, 179) }
```

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

```
.border{ border-color:rgb(130, 0, 179) }
```

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, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 91.373, 318.227 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, 179) }
```

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

```
.background{ background-color: rgb(130, 0,  
179) }
```

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](#)