

Converting Colors

CIELCh(34, 119.097, 309.550)

Have a look what the booklet for
CIELCh(34, 119.097, 309.550)
contains.

CIELCh(34, 119.143, 309.503)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(34, 119.143, 309.503)

Conversions

Conversions Part 1

Format	Color
Hex	5A00E8
RGB	90, 0, 232
RGB Percent	35%, 0%, 91%
CMY	0.6468, 0.9997, 0.0900
CMYK	0.61, 1.00, 0.00, 0.09
HSL	263°, 100%, 46%
HSV	263°, 100%, 91%
XYZ	18.7965, 8.0082, 76.9360
YIQ	53.3580, -20.8320, 91.2320

Conversions

Conversions Part 2

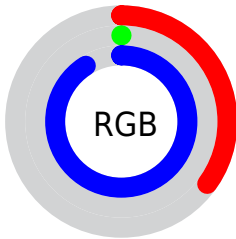
Format	Color
RYB	90, 0, 232
Decimal	5898472
CIELab	34.00, 75.79, -91.93
CIELCh	34, 119.143, 309.503
Yxy	8.0082, 0.1812, 0.0772
Android (android.graphics.Color)	4284088552 (0xFF5A00E8)
YUV	53.3580, 88.0705, 32.1350
Hunter-Lab	28.2988, 69.0399, -141.3826

Details

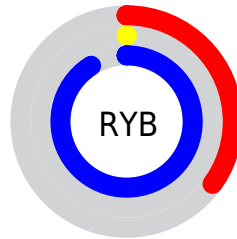
The CIELCh color **34, 119.143, 309.503** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **84, 98.062, 124.078**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 101.567, 311.288**, and **20, 100.899, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 119.163, 309.502**, and if you desaturate by 10%, it is **37, 113.805, 309.912**.

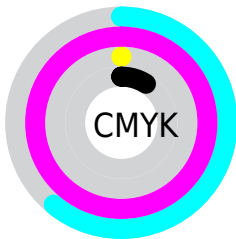
Distribution



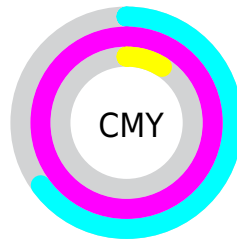
- Red (35%)
- Green (0%)
- Blue (91%)



- Red (35%)
- Yellow (0%)
- Blue (91%)



- Cyan (61%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)





- Cyan (65%)
- Magenta (100%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 119.143, 309.503 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, 119.143, 309.503 by changing the saturation by 10% instead.


 34, 119.143,
309.503


 34, 119.143,
309.503


 100, 119.143,
309.503


 24, 119.143,
309.503


 54, 119.143,
309.503


 14, 119.143,
309.503


 64, 119.143,
309.503

 4, 119.143,
309.503

 74, 119.143,
309.503

 0, 119.143,
309.503

 84, 119.143,
309.503

 94, 119.143,
309.503

■ 34, 119.143,
309.503

■ 34, 119.143,
309.503

■ 34, 119.163,
309.502

■ 37, 113.805,
309.912

■ 41, 105.157,
309.901

■ 46, 93.735,
309.519

■ 52, 80.686,
308.919

■ 58, 66.905,
308.218

■ 65, 52.958,
307.497

■ 71, 39.167,
306.802

■ 78, 25.695,

306.158

■ 85, 12.618,
305.571

Harmonies

Complementary

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



34, 119.143, 309.503



84, 98.062, 124.078

Rectangle

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



34, 119.143, 309.503



34, 119.143, 359.503



34, 119.143, 129.503



34, 119.143, 179.503

Sweetspot

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



34, 119.144, 309.504



78, 42.346, 306.815



58, 53.640, 270.769



38, 29.066, 307.105



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



34, 119.144, 309.504



38, 128.054, 309.449



50, 108.527, 323.667



45, 7.254, 305.544



26, 98.765, 309.670



4, 37.094, 307.909

Inverse Universe

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



51, 81.609, 352.335



56, 87.563, 352.520



81, 110.780, 135.529



46, 6.439, 338.746



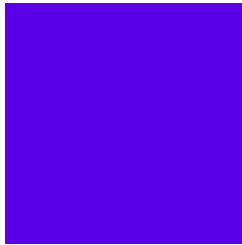
40, 67.969, 351.817



8, 29.996, 347.215

Previews

White Background



This preview shows how the CIELCh color 34, 119.143, 309.503 looks on a white background.

Color Contrast Check

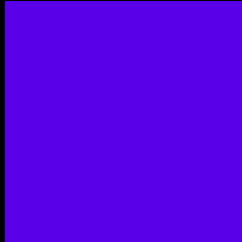
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 119.143, 309.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

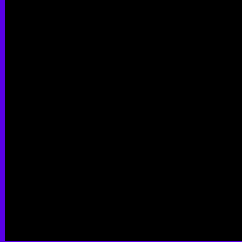
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 119.143, 309.503

Background



This preview shows how black text looks on a background with the CIELCh color 34, 119.143, 309.503.



This preview shows how white text looks on a background with the CIELCh color 34, 119.143, 309.503.

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, 119.143, 309.503

Protanopia

35, 53.917, 285.681

Deuteranopia

34, 37.051, 271.109



Tritanopia
34, 21.971, 208.369

Trichromacy



Original Color
34, 119.143, 309.503

Protanomaly
30, 86.003, 301.228

Deuteranomaly
29, 75.391, 299.456

Tritanomaly
28, 56.990, 295.842

Monochromacy



Original Color
34, 119.143, 309.503

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 55.068, 309.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 119.143, 309.503 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(90, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(90, 0, 232)  
}
```

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(90, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 0, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 119.143, 309.503 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(90, 0, 232) }
```

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

```
.border{ border-color:rgb(90, 0, 232) }
```

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

Here you see how a box with a 4 pixel rgb(90, 0, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(90, 0, 232)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 119.143, 309.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 0, 232) }
```

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

```
.background{ background-color: rgb(90, 0,  
232) }
```

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