

Converting Colors

CIELCh(34, 128.666, 307.873)

Have a look what the booklet for
CIELCh(34, 128.666, 307.873)
contains.

CIELCh(34, 128.374, 307.840)	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, 128.374, 307.840)

Conversions

Conversions Part 1

Format	Color
Hex	4300F9
RGB	67, 0, 249
RGB Percent	26%, 0%, 98%
CMY	0.7356, 1.0000, 0.0250
CMYK	0.73, 1.00, 0.00, 0.02
HSL	256°, 100%, 49%
HSV	256°, 100%, 98%
XYZ	19.3760, 8.0082, 89.8422
YIQ	48.4190, -39.9970, 91.6430

Conversions

Conversions Part 2

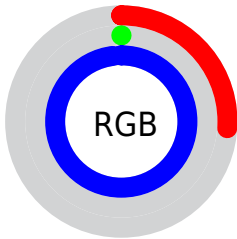
Format	Color
RYB	67, 0, 249
Decimal	4391161
CIELab	34.00, 78.75, -101.38
CIElCh	34, 128.374, 307.840
Yxy	8.0082, 0.1653, 0.0683
Android (android.graphics.Color)	4282581241 (0xFF4300F9)
YUV	48.4190, 98.8864, 16.2955
Hunter-Lab	28.2988, 72.6947, -168.4230

Details

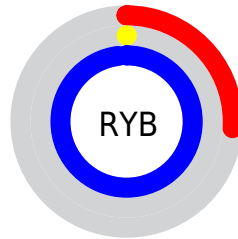
The CIELCh color **34, 128.374, 307.840** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **90, 99.563, 118.708**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 102.539, 309.425**, and **23, 107.676, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 128.266, 307.819**, and if you desaturate by 10%, it is **37, 122.460, 307.941**.

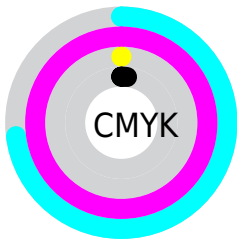
Distribution



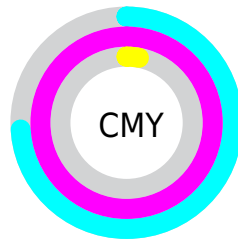
- Red (26%)
- Green (0%)
- Blue (98%)



- Red (26%)
- Yellow (0%)
- Blue (98%)



- Cyan (73%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (74%)
- Magenta (100%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 128.374, 307.840 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, 128.374, 307.840 by changing the saturation by 10% instead.


 34, 128.374,
307.840


 34, 128.374,
307.840


 100, 128.374,
307.840


 24, 128.374,
307.840


 54, 128.374,
307.840


 14, 128.374,
307.840


 64, 128.374,
307.840

 4, 128.374,
307.840

 74, 128.374,
307.840

 0, 128.374,
307.840

 84, 128.374,
307.840

 94, 128.374,
307.840

■ 34, 128.374,
307.840

■ 34, 128.374,
307.840

■ 34, 128.266,
307.819

■ 37, 122.460,
307.941

■ 41, 112.697,
307.576

■ 47, 99.876,
306.809

■ 53, 85.467,
305.839

■ 60, 70.507,
304.812

■ 68, 55.582,
303.817

■ 75, 40.983,
302.898

■ 83, 26.834,

302.073

■ 90, 13.176,
301.345

Harmonies

Complementary

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



34, 128.374, 307.840



90, 99.563, 118.708

Rectangle

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



34, 128.374, 307.840



34, 128.374, 357.840



34, 128.374, 127.840



34, 128.374, 177.840

Sweetspot

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



34, 128.266, 307.819



77, 41.835, 302.902



70, 46.084, 250.633



38, 28.753, 303.279



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, 128.266, 307.819



35, 130.769, 307.808



49, 116.205, 319.406



48, 7.514, 301.311



25, 104.063, 307.959



4, 42.756, 306.541

Inverse Universe

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



55, 91.974, 343.166



57, 93.732, 343.192



86, 115.008, 134.414



49, 7.370, 333.752



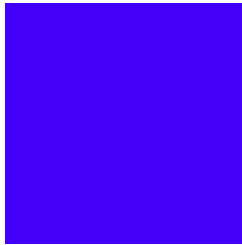
42, 74.995, 342.842



10, 34.746, 340.521

Previews

White Background



This preview shows how the CIE LCh color 34, 128.374, 307.840 looks on a white background.

Color Contrast Check

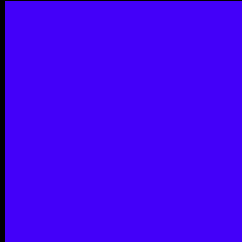
Large Text (above 18pt) WCAG AA ✓ Pass

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, 128.374, 307.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

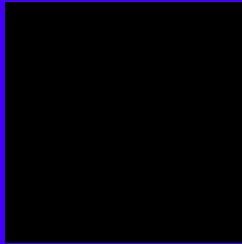
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 128.374, 307.840

Background



This preview shows how black text looks on a background with the CIELCh color 34, 128.374, 307.840.



This preview shows how white text looks on a background with the CIELCh color 34, 128.374, 307.840.

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, 128.455, 307.795

Protanopia

34, 53.984, 285.950

Deuteranopia

34, 37.048, 271.472



Tritanopia
34, 22.783, 204.566

Trichromacy



Original Color
34, 128.455, 307.795

Protanomaly
30, 89.371, 301.150

Deuteranomaly
29, 78.889, 299.393

Tritanomaly
28, 60.196, 294.932

Monochromacy



Original Color
34, 128.455, 307.795

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 59.533, 306.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 128.374, 307.840 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(67, 0, 249)` looks like.

```
.text, #text, p{  
    color:rgb(67, 0, 249)  
}
```

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(67, 0, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 0, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 128.374, 307.840 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(67, 0, 249) }
```

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

```
.border{ border-color:rgb(67, 0, 249) }
```

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

Here you see how a box with a 4 pixel rgb(67, 0, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 0, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 0, 249);  
box-shadow:4px 4px 4px 4px rgb(67, 0, 249)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 128.374, 307.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 0, 249) }
```

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

```
.background{ background-color: rgb(67, 0,  
249) }
```

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