

Converting Colors

CIELCh(34, 131.895, 307.114)

Have a look what the booklet for
CIELCh(34, 131.895, 307.114)
contains.

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Color

CIELCh(34, 131.702, 307.103)

Conversions

Conversions Part 1

Format	Color
Hex	3402FF
RGB	52, 2, 255
RGB Percent	20%, 1%, 100%
CMY	0.7953, 0.9915, 0.0000
CMYK	0.80, 0.99, 0.00, 0.00
HSL	252°, 100%, 50%
HSV	252°, 99%, 100%
XYZ	19.5140, 8.0082, 95.2024
YIQ	45.7920, -51.4130, 89.2830

Conversions

Conversions Part 2

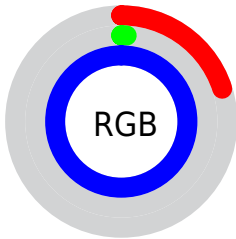
Format	Color
R_{YB}	52, 2, 255
Decimal	3408639
CIE _{Lab}	34.00, 79.45, -105.04
CIE _{LCh}	34, 131.702, 307.103
Yxy	8.0082, 0.1590, 0.0653
Android (android.graphics.Color)	4281598719 (0xFF3402FF)
YUV	45.7920, 103.1395, 5.4444
Hunter-Lab	28.2988, 73.5653, -179.6535

Details

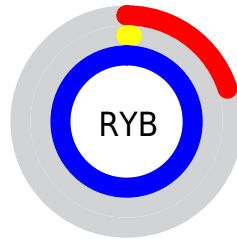
The CIELCh color **34, 131.702, 307.103** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **94, 99.309, 114.738**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **49, 102.805, 308.502**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 132.088, 307.113**, and if you desaturate by 10%, it is **37, 125.500, 306.974**.

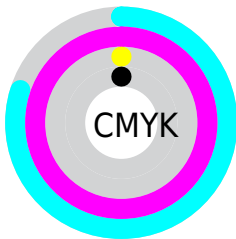
Distribution



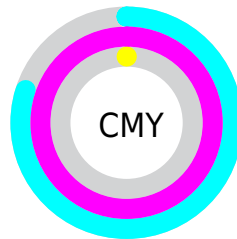
- Red (20%)
- Green (1%)
- Blue (100%)



- Red (20%)
- Yellow (1%)
- Blue (100%)



- Cyan (80%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (99%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 131.702, 307.103 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, 131.702, 307.103 by changing the saturation by 10% instead.


 34, 131.702,
307.103


 34, 131.702,
307.103


 100, 131.702,
307.103


 24, 131.702,
307.103


 54, 131.702,
307.103


 14, 131.702,
307.103


 64, 131.702,
307.103

 4, 131.702,
307.103

 74, 131.702,
307.103

 0, 131.702,
307.103

 84, 131.702,
307.103

 94, 131.702,
307.103

■ 34, 131.702,
307.103

■ 34, 131.702,
307.103

■ 34, 132.088,
307.113

■ 37, 125.500,
306.974

■ 41, 114.893,
306.286

■ 47, 101.198,
305.194

■ 54, 86.062,
303.927

■ 62, 70.558,
302.647

■ 69, 55.243,
301.444

■ 77, 40.364,
300.360

■ 85, 26.009,

299.404

■ 93, 12.195,
298.572

Harmonies

Complementary

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



34, 131.702, 307.103



94, 99.309, 114.738

Rectangle

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



34, 131.702, 307.103



34, 131.702, 357.103



34, 131.702, 127.103



34, 131.702, 177.103

Sweetspot

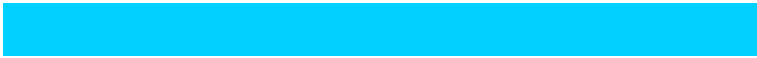
The Sweet Spot groups the original color and five complimentary colors.



34, 131.667, 307.105



76, 41.605, 300.447



78, 43.643, 232.410



37, 28.615, 300.893



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, 131.667, 307.105



34, 132.088, 307.113



47, 120.003, 316.709



49, 7.580, 298.600



24, 106.212, 307.224



4, 44.554, 305.506

Inverse Universe

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



58, 98.805, 338.173



58, 98.828, 338.268



89, 115.009, 133.027



50, 7.894, 331.023



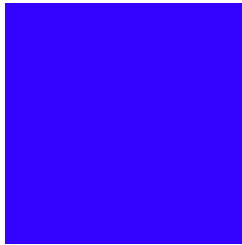
43, 79.804, 338.058



11, 37.377, 336.645

Previews

White Background



This preview shows how the CIE LCh color 34, 131.702, 307.103 looks on a white background.

Color Contrast Check

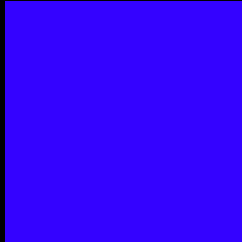
Large Text (above 18pt) WCAG AA ✓ Pass

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, 131.702, 307.103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

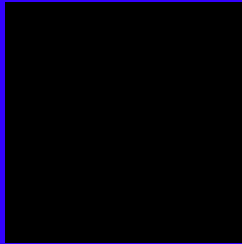
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 131.702, 307.103

Background



This preview shows how black text looks on a background with the CIELCh color 34, 131.702, 307.103.



This preview shows how white text looks on a background with the CIELCh color 34, 131.702, 307.103.

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, 131.702, 307.103

Protanopia

34, 53.409, 285.659

Deuteranopia

34, 36.524, 270.834



Tritanopia
34, 22.603, 204.647

Trichromacy



Original Color
34, 131.702, 307.103

Protanomaly
30, 90.008, 300.981

Deuteranomaly
30, 79.452, 298.994

Tritanomaly
28, 61.462, 294.725

Monochromacy



Original Color
34, 131.702, 307.103

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 60.503, 305.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 131.702, 307.103 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(52, 2, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 2, 255)  
}
```

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(52, 2, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 2, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 131.702, 307.103 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(52, 2, 255) }
```

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

```
.border{ border-color:rgb(52, 2, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 2, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 2, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 2, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 2, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 131.702, 307.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 2, 255) }
```

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

```
.background{ background-color: rgb(52, 2,  
255) }
```

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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