

Converting Colors

CIELCh(34, 128.067, 307.640)

Have a look what the booklet for
CIELCh(34, 128.067, 307.640)
contains.

CIELCh(34, 128.177, 307.621)	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, 128.177, 307.621)

Conversions

Conversions Part 1

Format	Color
Hex	4103F9
RGB	65, 3, 249
RGB Percent	25%, 1%, 98%
CMY	0.7458, 0.9893, 0.0240
CMYK	0.74, 0.99, 0.00, 0.02
HSL	255°, 98%, 49%
HSV	255°, 99%, 98%
XYZ	19.2757, 8.0082, 90.0496
YIQ	49.5820, -42.0140, 89.6500

Conversions

Conversions Part 2

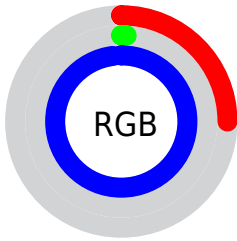
Format	Color
RYB	65, 3, 249
Decimal	4260857
CIELab	34.00, 78.24, -101.52
CIELCh	34, 128.177, 307.621
Yxy	8.0082, 0.1643, 0.0683
Android (android.graphics.Color)	4282450937 (0xFF4103F9)
YUV	49.5820, 98.3131, 13.5216
Hunter-Lab	28.2988, 72.0624, -168.8575

Details

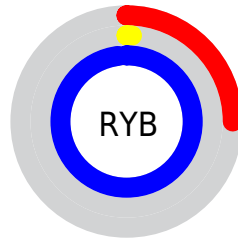
The CIELCh color **34, 128.177, 307.621** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **91, 98.822, 117.626**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 102.079, 309.186**, and **23, 107.676, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 128.731, 307.615**, and if you desaturate by 10%, it is **37, 122.017, 307.655**.

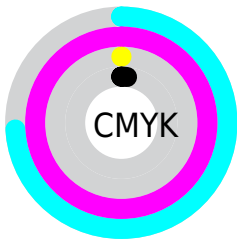
Distribution



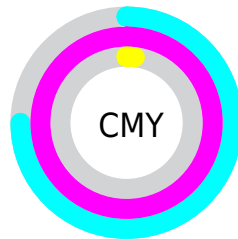
- Red (25%)
- Green (1%)
- Blue (98%)



- Red (25%)
- Yellow (1%)
- Blue (98%)



- Cyan (74%)
- Magenta (99%)
- Yellow (0%)
- Black (2%)





- Cyan (75%)
- Magenta (99%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 128.177, 307.621 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, 128.177, 307.621 by changing the saturation by 10% instead.


 34, 128.177,
307.621


 34, 128.177,
307.621


 100, 128.177,
307.621


 24, 128.177,
307.621


 54, 128.177,
307.621


 14, 128.177,
307.621


 64, 128.177,
307.621

 4, 128.177,
307.621

 74, 128.177,
307.621

 0, 128.177,
307.621

 84, 128.177,
307.621

 94, 128.177,
307.621

■ 34, 128.177,
307.621

■ 34, 128.177,
307.621

■ 34, 128.731,
307.615

■ 37, 122.017,
307.655

■ 41, 111.733,
307.165

■ 47, 98.545,
306.294

■ 54, 83.930,
305.241

■ 61, 68.884,
304.154

■ 68, 53.947,
303.114

■ 76, 39.380,
302.163

■ 84, 25.286,

301.316

■ 91, 11.696,
300.571

Harmonies

Complementary

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



34, 128.177, 307.621



91, 98.822, 117.626

Rectangle

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



34, 128.177, 307.621



34, 128.177, 357.621



34, 128.177, 127.621



34, 128.177, 177.621

Sweetspot

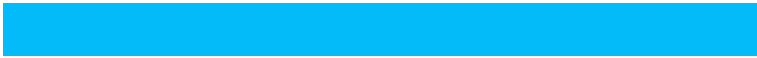
The Sweet Spot groups the original color and five complimentary colors.



34, 128.179, 307.622



77, 41.769, 302.266



71, 44.965, 246.692



38, 28.713, 302.660



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, 128.179, 307.622



35, 131.143, 307.605



49, 116.322, 318.902



48, 7.497, 300.613



25, 104.367, 307.748



4, 42.704, 306.096

Inverse Universe

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



56, 93.246, 341.656



57, 94.973, 341.849



86, 114.401, 134.124



49, 7.470, 333.017



42, 75.977, 341.535



11, 35.163, 339.450

Previews

White Background



This preview shows how the CIELCh color 34, 128.177, 307.621 looks on a white background.

Color Contrast Check

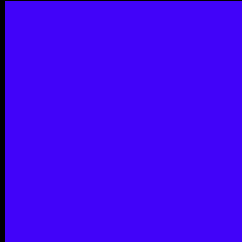
Large Text (above 18pt) WCAG AA ✓ Pass

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, 128.177, 307.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

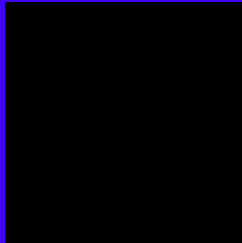
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 128.177, 307.621

Background



This preview shows how black text looks on a background with the CIELCh color 34, 128.177, 307.621.



This preview shows how white text looks on a background with the CIELCh color 34, 128.177, 307.621.

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, 128.177, 307.621

Protanopia

34, 53.409, 285.659

Deuteranopia

34, 36.524, 270.834



Tritanopia
34, 22.603, 204.647

Trichromacy



Original Color
34, 128.177, 307.621

Protanomaly
31, 88.266, 300.843

Deuteranomaly
30, 77.712, 298.988

Tritanomaly
28, 58.931, 294.249

Monochromacy



Original Color
34, 128.177, 307.621

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 58.975, 306.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 128.177, 307.621 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(65, 3, 249)` looks like.

```
.text, #text, p{  
    color:rgb(65, 3, 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(65, 3, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 3, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 128.177, 307.621 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(65, 3, 249) }
```

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

```
.border{ border-color:rgb(65, 3, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 3, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 3, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 3, 249);  
box-shadow:4px 4px 4px 4px rgb(65, 3, 249)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 128.177, 307.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 3, 249) }
```

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

```
.background{ background-color: rgb(65, 3,  
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](#).

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