

Converting Colors

CIELCh(35, 127.672, 308.476)

Have a look what the booklet for
CIELCh(35, 127.672, 308.476)
contains.

CIELCh(35, 127.344, 308.441)	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>	27

Color

CIELCh(35, 127.344, 308.441)

Conversions

Conversions Part 1

Format	Color
Hex	5000F9
RGB	80, 0, 249
RGB Percent	31%, 0%, 98%
CMY	0.6877, 1.0000, 0.0246
CMYK	0.68, 1.00, 0.00, 0.02
HSL	259°, 100%, 49%
HSV	259°, 100%, 98%
XYZ	20.3252, 8.4984, 89.9655
YIQ	52.3060, -32.2490, 94.3990

Conversions

Conversions Part 2

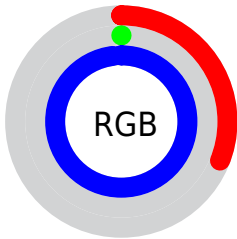
Format	Color
R _Y B	80, 0, 249
Decimal	5243129
CIE Lab	35.00, 79.17, -99.74
CIE LCh	35, 127.344, 308.441
Yxy	8.4984, 0.1711, 0.0715
Android (android.graphics.Color)	4283433209 (0xFF5000F9)
YUV	52.3060, 96.9701, 24.2876
Hunter-Lab	29.1520, 73.4369, -162.5675

Details

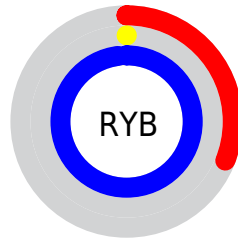
The CIELCh color **35, 127.344, 308.441** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **90, 101.114, 121.114**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 101.239, 310.472**, and **23, 107.676, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 127.262, 308.426**, and if you desaturate by 10%, it is **38, 121.573, 308.693**.

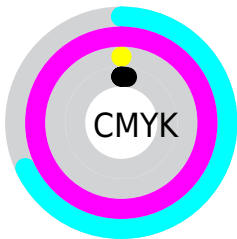
Distribution



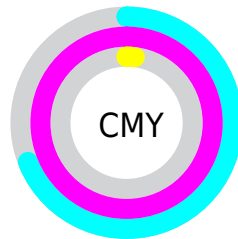
- Red (31%)
- Green (0%)
- Blue (98%)



- Red (31%)
- Yellow (0%)
- Blue (98%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (69%)
- Magenta (100%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 127.344, 308.441 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 35, 127.344, 308.441 by changing the saturation by 10% instead.


 35, 127.344,
308.441


 35, 127.344,
308.441


 100, 127.344,
308.441


 25, 127.344,
308.441


 55, 127.344,
308.441


 15, 127.344,
308.441


 65, 127.344,
308.441

 5, 127.344,
308.441

 75, 127.344,
308.441

 0, 127.344,
308.441

 85, 127.344,
308.441

 95, 127.344,
308.441

■ 35, 127.344,
308.441

■ 35, 127.344,
308.441

■ 35, 127.262,
308.426

■ 38, 121.573,
308.693

■ 42, 112.092,
308.497

■ 48, 99.594,
307.910

■ 54, 85.442,
307.109

■ 61, 70.638,
306.230

■ 68, 55.781,
305.358

■ 76, 41.184,
304.540

■ 83, 26.993,

303.797

■ 90, 13.264,
303.133

Harmonies

Complementary

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



35, 127.344, 308.441



90, 101.114, 121.114

Rectangle

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



35, 127.344, 308.441



35, 127.344, 358.441



35, 127.344, 128.441



35, 127.344, 178.441

Sweetspot

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



35, 127.262, 308.426



77, 42.027, 304.543



66, 49.883, 260.198



38, 28.870, 304.881



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



35, 127.262, 308.426



36, 129.708, 308.414



51, 115.347, 321.173



48, 7.562, 303.101



26, 103.207, 308.583



4, 42.889, 307.747

Inverse Universe

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



55, 89.140, 346.850



56, 90.816, 346.883



86, 115.929, 135.000



49, 7.116, 335.744



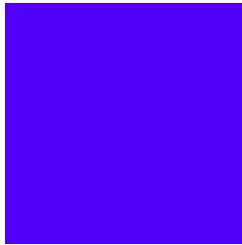
42, 72.675, 346.432



10, 33.736, 343.451

Previews

White Background



This preview shows how the CIELCh color 35, 127.344, 308.441 looks on a white background.

Color Contrast Check

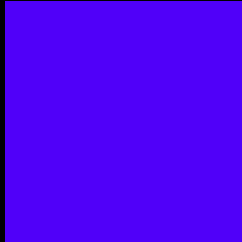
Large Text (above 18pt) WCAG AA ✓ Pass

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 35, 127.344, 308.441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

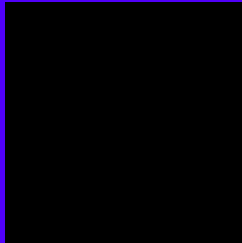
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 127.344, 308.441

Background



This preview shows how black text looks on a background with the CIELCh color 35, 127.344, 308.441.



This preview shows how white text looks on a background with the CIELCh color 35, 127.344, 308.441.

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

35, 127.344, 308.441

Protanopia

35, 55.569, 286.264

Tritanopia

35, 23.320, 204.331

Trichromacy



Original Color
35, 127.344, 308.441

Protanomaly
31, 90.273, 301.286

Tritanomaly
29, 59.941, 294.828

Monochromacy



Original Color
35, 127.344, 308.441

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 59.227, 307.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 127.344, 308.441 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(80, 0, 249)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 0, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 127.344, 308.441 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(80, 0, 249) }
```

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

```
.border{ border-color:rgb(80, 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(80, 0, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 0, 249);  
box-shadow:4px 4px 4px 4px rgb(80, 0, 249)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 127.344, 308.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 249) }
```

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

```
.background{ background-color: rgb(80, 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