

Converting Colors

CIELCh(35, 127.950, 305.771)

Have a look what the booklet for
CIELCh(35, 127.950, 305.771)
contains.

CIELCh(35, 127.517, 305.759)	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(35, 127.517, 305.759)

Conversions

Conversions Part 1

Format	Color
Hex	291BFF
RGB	41, 27, 255
RGB Percent	16%, 11%, 100%
CMY	0.8405, 0.8930, 0.0000
CMYK	0.84, 0.89, 0.00, 0.00
HSL	244°, 100%, 55%
HSV	244°, 89%, 100%
XYZ	19.3910, 8.4984, 95.4456
YIQ	57.1780, -64.8440, 73.8760

Conversions

Conversions Part 2

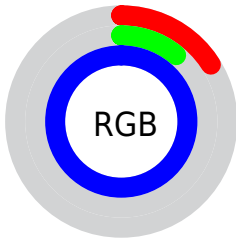
Format	Color
RYB	41, 27, 255
Decimal	2694143
CIELab	35.00, 74.52, -103.48
CIElCh	35, 127.517, 305.759
Yxy	8.4984, 0.1572, 0.0689
Android (android.graphics.Color)	4280884223 (0xFF291BFF)
YUV	57.1780, 97.5262, -14.1881
Hunter-Lab	29.1520, 67.7169, -173.7130

Details

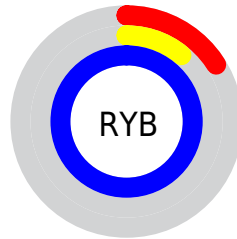
The CIELCh color **35, 127.517, 305.759** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **96, 94.676, 106.407**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 97.741, 306.496**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 133.239, 306.371**, and if you desaturate by 10%, it is **39, 116.546, 304.476**.

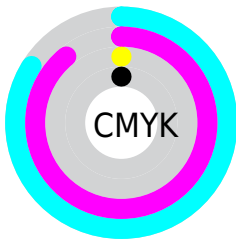
Distribution



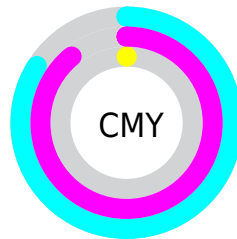
- Red (16%)
- Green (11%)
- Blue (100%)



- Red (16%)
- Yellow (11%)
- Blue (100%)



- Cyan (84%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (84%)
- Magenta (89%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 127.517, 305.759 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, 127.517, 305.759 by changing the saturation by 10% instead.


 35, 127.517,
305.759


 35, 127.517,
305.759


 100, 127.517,
305.759


 25, 127.517,
305.759


 55, 127.517,
305.759


 15, 127.517,
305.759


 65, 127.517,
305.759

 5, 127.517,
305.759

 75, 127.517,
305.759

 0, 127.517,
305.759

 85, 127.517,
305.759

 95, 127.517,
305.759

■ 35, 127.517,
305.759

■ 35, 127.517,
305.759

■ 33, 133.239,
306.371

■ 39, 116.546,
304.476

■ 33, 133.550,
306.408

■ 45, 102.277,
302.717

■ 52, 86.604,
300.793

■ 60, 70.745,
298.926

■ 68, 55.255,
297.228

■ 76, 40.332,
295.739

■ 84, 26.016,
294.458

■ 92, 12.286,

293.366

100, 0.012,
296.813

Harmonies

Complementary

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



35, 127.517, 305.759



96, 94.676, 106.407

Rectangle

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



35, 127.517, 305.759



35, 127.517, 355.759



35, 127.517, 125.759



35, 127.517, 175.759

Sweetspot

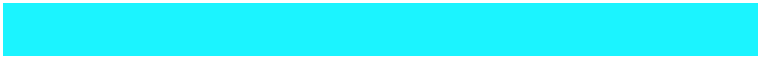
The Sweet Spot groups the original color and five complimentary colors.



35, 127.407, 305.759



78, 36.985, 295.427



88, 46.396, 204.052



39, 25.103, 295.895



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, 127.407, 305.759



33, 133.550, 306.408



45, 118.720, 313.592



49, 7.514, 293.386



23, 107.487, 306.454



4, 44.268, 302.934

Inverse Universe

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



60, 108.405, 330.457



59, 110.259, 330.770



90, 106.802, 128.765



50, 8.701, 326.576



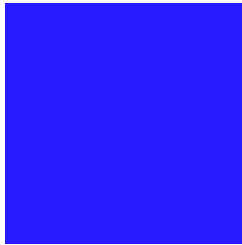
45, 88.879, 330.724



12, 41.117, 330.407

Previews

White Background



This preview shows how the CIELCh color 35, 127.517, 305.759 looks on a white background.

Color Contrast Check

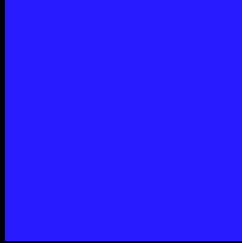
Large Text (above 18pt) WCAG AA ✓ Pass

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, 127.517, 305.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

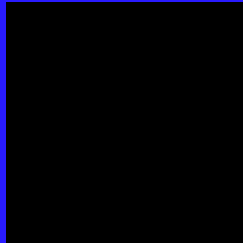
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 127.517, 305.759

Background



This preview shows how black text looks on a background with the CIELCh color 35, 127.517, 305.759.



This preview shows how white text looks on a background with the CIELCh color 35, 127.517, 305.759.

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, 127.475, 305.786

Protanopia

35, 53.917, 285.681

Deuteranopia

34, 37.051, 271.109



Tritanopia
34, 22.783, 204.566

Trichromacy



Original Color
35, 127.475, 305.786

Protanomaly
33, 84.987, 298.735

Deuteranomaly
32, 74.178, 296.320

Tritanomaly
30, 54.682, 289.816

Monochromacy



Original Color
35, 127.475, 305.786

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 54.084, 301.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 127.517, 305.759 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(41, 27, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 27, 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(41, 27, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 27, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 127.517, 305.759 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(41, 27, 255) }
```

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

```
.border{ border-color:rgb(41, 27, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 27, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 27, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 27, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 27,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 127.517, 305.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 27, 255) }
```

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

```
.background{ background-color: rgb(41, 27,  
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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