

Converting Colors

CIELCh(35, 126.149, 304.717)

Have a look what the booklet for
CIELCh(35, 126.149, 304.717)
contains.

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Color

CIELCh(35, 126.039, 304.747)

Conversions

Conversions Part 1

Format	Color
Hex	0D22FF
RGB	13, 34, 255
RGB Percent	5%, 13%, 100%
CMY	0.9471, 0.8653, 0.0000
CMYK	0.95, 0.87, 0.00, 0.00
HSL	235°, 100%, 53%
HSV	235°, 95%, 100%
XYZ	18.8659, 8.4984, 95.5736
YIQ	52.9150, -83.4570, 64.2790

Conversions

Conversions Part 2

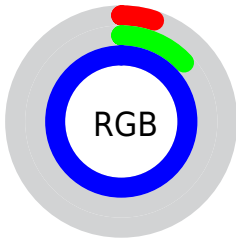
Format	Color
R _Y B	13, 32, 255
Decimal	860927
CIE Lab	35.00, 71.84, -103.56
CIE LCh	35, 126.039, 304.747
Yxy	8.4984, 0.1535, 0.0691
Android (android.graphics.Color)	4279051007 (0xFF0D22FF)
YUV	52.9150, 99.6279, -35.0055
Hunter-Lab	29.1520, 64.5012, -173.9734

Details

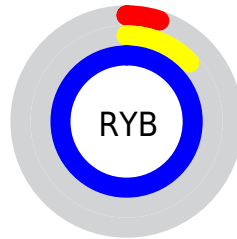
The CIELCh color **35, 126.039, 304.747** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **92, 90.259, 97.235**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 95.727, 304.864**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 129.853, 305.457**, and if you desaturate by 10%, it is **39, 115.068, 302.798**.

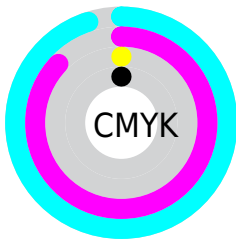
Distribution



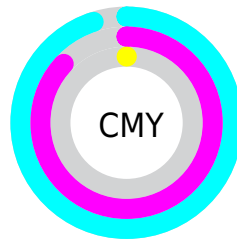
- Red (5%)
- Green (13%)
- Blue (100%)



- Red (5%)
- Yellow (13%)
- Blue (100%)



- Cyan (95%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (87%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 126.039, 304.747 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, 126.039, 304.747 by changing the saturation by 10% instead.


 35, 126.039,
304.747


 35, 126.039,
304.747


 100, 126.039,
304.747


 25, 126.039,
304.747


 55, 126.039,
304.747


 15, 126.039,
304.747


 65, 126.039,
304.747

 5, 126.039,
304.747

 75, 126.039,
304.747

 0, 126.039,
304.747

 85, 126.039,
304.747

 95, 126.039,
304.747

■ 35, 126.039,
304.747

■ 35, 126.039,
304.747

■ 34, 129.853,
305.457

■ 39, 115.068,
302.798

■ 45, 101.445,
300.382

■ 51, 86.743,
297.825

■ 58, 72.002,
295.375

■ 66, 57.667,
293.161

■ 73, 43.872,
291.228

■ 81, 30.625,
289.570

■ 89, 17.893,

288.161

 96, 5.634, 286.976

Harmonies

Complementary

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



35, 126.039, 304.747



92, 90.259, 97.235

Rectangle

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



35, 126.039, 304.747



35, 126.039, 354.747



35, 126.039, 124.747



35, 126.039, 174.747

Sweetspot

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



35, 125.875, 304.743



79, 34.922, 290.086



90, 54.546, 182.656



39, 24.315, 290.806



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, 125.875, 304.743



34, 129.853, 305.457



39, 125.238, 309.945



49, 6.851, 287.516



24, 103.716, 305.222



4, 41.381, 300.227

Inverse Universe

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



54, 97.482, 35.339



53, 100.944, 37.316



91, 104.166, 124.019



50, 5.278, 12.967



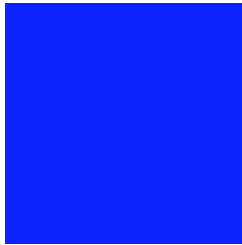
40, 80.608, 36.614



10, 32.696, 23.677

Previews

White Background



This preview shows how the CIE LCh color 35, 126.039, 304.747 looks on a white background.

Color Contrast Check

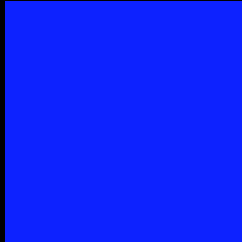
Large Text (above 18pt) WCAG AA ✓ Pass

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, 126.039, 304.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

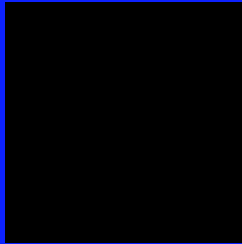
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 126.039, 304.747

Background



This preview shows how black text looks on a background with the CIELCh color 35, 126.039, 304.747.



This preview shows how white text looks on a background with the CIELCh color 35, 126.039, 304.747.

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, 126.010, 304.767

Protanopia

35, 53.917, 285.681

Deuteranopia

34, 37.051, 271.109



Tritanopia
34, 22.783, 204.566

Trichromacy



Original Color
35, 126.010, 304.767

Protanomaly
33, 83.160, 297.715

Deuteranomaly
32, 72.263, 295.000

Tritanomaly
31, 52.772, 287.583

Monochromacy



Original Color
35, 126.010, 304.767

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 52.548, 298.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 126.039, 304.747 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(13, 34, 255)` looks like.

```
.text, #text, p{  
    color:rgb(13, 34, 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(13, 34, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 34, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 126.039, 304.747 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(13, 34, 255) }
```

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

```
.border{ border-color:rgb(13, 34, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 34, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 34, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 34, 255);  
box-shadow:4px 4px 4px 4px rgb(13, 34,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 126.039, 304.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 34, 255) }
```

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

```
.background{ background-color: rgb(13, 34,  
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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