

Converting Colors

CIELCh(35, 120.807, 309.488)

Have a look what the booklet for
CIELCh(35, 120.807, 309.488)
contains.

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Color

CIELCh(35, 120.704, 309.513)

Conversions

Conversions Part 1

Format	Color
Hex	5D02ED
RGB	93, 2, 237
RGB Percent	36%, 1%, 93%
CMY	0.6349, 0.9915, 0.0703
CMYK	0.61, 0.99, 0.00, 0.07
HSL	263°, 98%, 47%
HSV	263°, 99%, 93%
XYZ	19.8452, 8.4984, 80.7753
YIQ	55.9990, -21.1990, 92.3770

Conversions

Conversions Part 2

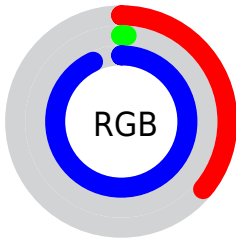
Format	Color
RYB	93, 2, 237
Decimal	6095597
CIELab	35.00, 76.80, -93.12
CIElCh	35, 120.704, 309.513
Yxy	8.4984, 0.1819, 0.0779
Android (android.graphics.Color)	4284285677 (0xFF5D02ED)
YUV	55.9990, 89.2335, 32.4499
Hunter-Lab	29.1520, 70.4978, -143.8763

Details

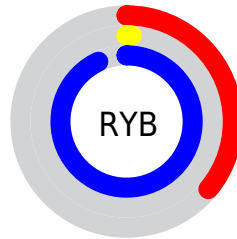
The CIELCh color **35, 120.704, 309.513** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **85, 99.386, 123.964**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 100.993, 311.637**, and **21, 102.604, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 121.144, 309.476**, and if you desaturate by 10%, it is **38, 115.131, 309.912**.

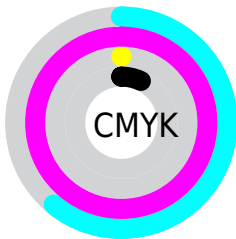
Distribution



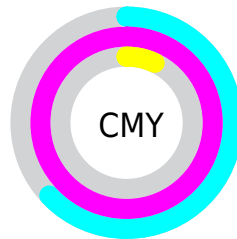
- Red (36%)
- Green (1%)
- Blue (93%)



- Red (36%)
- Yellow (1%)
- Blue (93%)



- Cyan (61%)
- Magenta (99%)
- Yellow (0%)
- Black (7%)





- Cyan (63%)
- Magenta (99%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 120.704, 309.513 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, 120.704, 309.513 by changing the saturation by 10% instead.


 35, 120.704,
309.513


 35, 120.704,
309.513


 100, 120.704,
309.513


 25, 120.704,
309.513


 55, 120.704,
309.513


 15, 120.704,
309.513


 65, 120.704,
309.513

 5, 120.704,
309.513

 75, 120.704,
309.513

 0, 120.704,
309.513

 85, 120.704,
309.513

 95, 120.704,
309.513

■ 35, 120.704,
309.513

■ 35, 120.704,
309.513

■ 35, 121.144,
309.476

■ 38, 115.131,
309.912

■ 42, 106.067,
309.865

■ 47, 94.270,
309.459

■ 53, 80.900,
308.843

■ 60, 66.844,
308.136

■ 66, 52.655,
307.414

■ 73, 38.644,
306.720

■ 80, 24.968,

306.078

■ 87, 11.699,
305.496

Harmonies

Complementary

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



35, 120.704, 309.513



85, 99.386, 123.964

Rectangle

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



35, 120.704, 309.513



35, 120.704, 359.513



35, 120.704, 129.513



35, 120.704, 179.513

Sweetspot

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



35, 120.705, 309.514



78, 42.342, 306.789



59, 54.179, 270.407



38, 29.064, 307.080



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, 120.705, 309.514



38, 128.075, 309.436



52, 110.116, 323.688



45, 7.253, 305.516



26, 98.780, 309.656



4, 37.090, 307.883

Inverse Universe

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



52, 82.927, 352.054



56, 87.595, 352.451



82, 112.375, 135.536



46, 6.442, 338.709



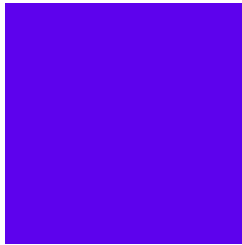
40, 67.994, 351.751



8, 30.007, 347.163

Previews

White Background



This preview shows how the CIE LCh color 35, 120.704, 309.513 looks on a white background.

Color Contrast Check

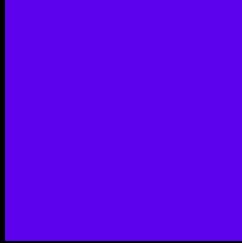
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120.704, 309.513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

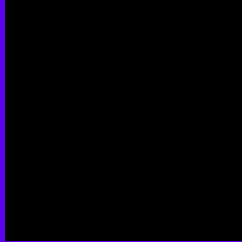
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 120.704, 309.513

Background



This preview shows how black text looks on a background with the CIELCh color 35, 120.704, 309.513.



This preview shows how white text looks on a background with the CIELCh color 35, 120.704, 309.513.

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, 120.704, 309.513

Protanopia

35, 54.929, 285.724

Deuteranopia

35, 38.102, 271.635



Tritanopia
35, 21.250, 210.611

Trichromacy



Original Color
35, 120.704, 309.513

Protanomaly
31, 87.444, 301.130

Deuteranomaly
30, 76.228, 299.109

Tritanomaly
29, 57.837, 296.855

Monochromacy



Original Color
35, 120.704, 309.513

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 56.053, 309.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 120.704, 309.513 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(93, 2, 237)` looks like.

```
.text, #text, p{  
    color:rgb(93, 2, 237)  
}
```

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(93, 2, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 2, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 120.704, 309.513 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(93, 2, 237) }
```

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

```
.border{ border-color:rgb(93, 2, 237) }
```

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

Here you see how a box with a 4 pixel rgb(93, 2, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 2, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 2, 237);  
box-shadow:4px 4px 4px 4px rgb(93, 2, 237)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 120.704, 309.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 2, 237) }
```

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

```
.background{ background-color: rgb(93, 2,  
237) }
```

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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