

Converting Colors

CIELCh(35, 121.181, 309.470)

Have a look what the booklet for
CIELCh(35, 121.181, 309.470)
contains.

CIELCh(35, 121.275, 309.509)	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, 121.275, 309.509)

Conversions

Conversions Part 1

Format	Color
Hex	5D01EE
RGB	93, 1, 238
RGB Percent	36%, 0%, 93%
CMY	0.6359, 0.9973, 0.0672
CMYK	0.61, 1.00, 0.00, 0.07
HSL	263°, 99%, 47%
HSV	263°, 100%, 93%
XYZ	19.9169, 8.4984, 81.3736
YIQ	55.5260, -21.2450, 93.2110

Conversions

Conversions Part 2

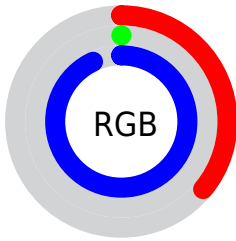
Format	Color
R _Y B	93, 1, 238
Decimal	6095342
CIE Lab	35.00, 77.16, -93.57
CIE LCh	35, 121.275, 309.509
Yxy	8.4984, 0.1814, 0.0774
Android (android.graphics.Color)	4284285422 (0xFF5D01EE)
YUV	55.5260, 89.9597, 32.8647
Hunter-Lab	29.1520, 70.9368, -145.0931

Details

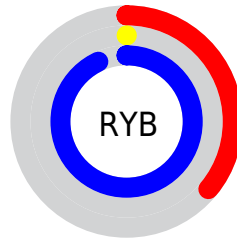
The CIELCh color **35, 121.275, 309.509** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **86, 99.873, 124.097**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 100.993, 311.637**, and **21, 103.029, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 121.416, 309.498**, and if you desaturate by 10%, it is **38, 115.851, 309.926**.

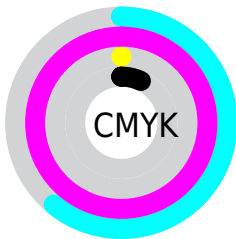
Distribution



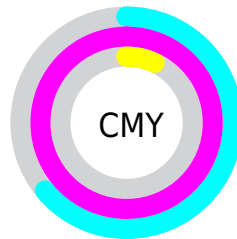
- Red (36%)
- Green (0%)
- Blue (93%)



- Red (36%)
- Yellow (0%)
- Blue (93%)



- Cyan (61%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (64%)
- Magenta (100%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 121.275, 309.509 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, 121.275, 309.509 by changing the saturation by 10% instead.


 35, 121.275,
309.509


 35, 121.275,
309.509


 100, 121.275,
309.509


 25, 121.275,
309.509


 55, 121.275,
309.509


 15, 121.275,
309.509


 65, 121.275,
309.509

 5, 121.275,
309.509

 75, 121.275,
309.509

 0, 121.275,
309.509

 85, 121.275,
309.509

 95, 121.275,
309.509

■ 35, 121.275,
309.509

■ 35, 121.275,
309.509

■ 35, 121.416,
309.498

■ 38, 115.851,
309.926

■ 42, 106.987,
309.911

■ 47, 95.306,
309.527

■ 53, 81.978,
308.924

■ 59, 67.912,
308.223

■ 66, 53.684,
307.503

■ 73, 39.618,
306.809

■ 80, 25.881,

306.165

■ 87, 12.548,
305.580

Harmonies

Complementary

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



35, 121.275, 309.509



86, 99.873, 124.097

Rectangle

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



35, 121.275, 309.509



35, 121.275, 359.509



35, 121.275, 129.509



35, 121.275, 179.509

Sweetspot

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



35, 121.276, 309.510



78, 42.349, 306.836



59, 54.599, 270.724



38, 29.068, 307.125



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, 121.276, 309.510



38, 128.039, 309.459



52, 110.523, 323.668



46, 7.384, 305.567



26, 99.797, 309.670



4, 39.166, 308.584

Inverse Universe

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



52, 83.096, 352.361



56, 87.539, 352.572



83, 112.818, 135.537



47, 6.551, 338.776



40, 68.646, 351.901



9, 30.832, 347.501

Previews

White Background



This preview shows how the CIELCh color 35, 121.275, 309.509 looks on a white background.

Color Contrast Check

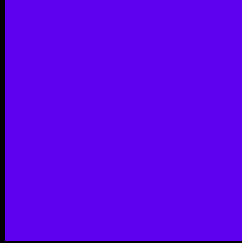
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 35, 121.275, 309.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

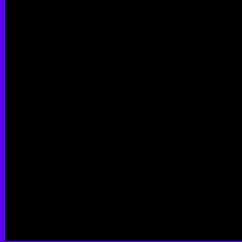
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 121.275, 309.509

Background



This preview shows how black text looks on a background with the CIELCh color 35, 121.275, 309.509.



This preview shows how white text looks on a background with the CIELCh color 35, 121.275, 309.509.

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, 121.275, 309.509

Protanopia

35, 54.929, 285.724

Deuteranopia

35, 38.102, 271.635



Tritanopia
35, 21.795, 210.201

Trichromacy



Original Color
35, 121.275, 309.509

Protanomaly
31, 87.444, 301.130

Deuteranomaly
30, 76.871, 299.380

Tritanomaly
29, 57.899, 296.340

Monochromacy



Original Color
35, 121.275, 309.509

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 56.090, 309.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 121.275, 309.509 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, 1, 238)` looks like.

```
.text, #text, p{  
    color:rgb(93, 1, 238)  
}
```

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, 1, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 1, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 121.275, 309.509 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, 1, 238) }
```

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

```
.border{ border-color:rgb(93, 1, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 1, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 1, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 1, 238);  
box-shadow:4px 4px 4px 4px rgb(93, 1, 238)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 121.275, 309.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 1, 238) }
```

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

```
.background{ background-color: rgb(93, 1,  
238) }
```

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