

Converting Colors

CIELCh(35, 117.379, 310.355)

Have a look what the booklet for
CIELCh(35, 117.379, 310.355)
contains.

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Color

CIELCh(35, 117.519, 310.297)

Conversions

Conversions Part 1

Format	Color
Hex	6401E7
RGB	100, 1, 231
RGB Percent	39%, 0%, 91%
CMY	0.6079, 0.9962, 0.0942
CMYK	0.57, 1.00, 0.00, 0.09
HSL	266°, 99%, 45%
HSV	266°, 100%, 91%
XYZ	19.6865, 8.4984, 76.1952
YIQ	56.8210, -14.8260, 92.5180

Conversions

Conversions Part 2

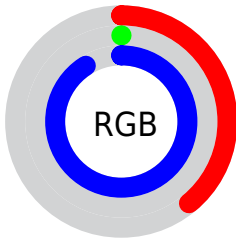
Format	Color
R_{YB}	100, 1, 231
Decimal	6554087
CIE _{Lab}	35.00, 76.01, -89.63
CIE _{LCh}	35, 117.519, 310.297
Yxy	8.4984, 0.1886, 0.0814
Android (android.graphics.Color)	4284744167 (0xFF6401E7)
YUV	56.8210, 85.8702, 37.8680
Hunter-Lab	29.1520, 69.5259, -134.5612

Details

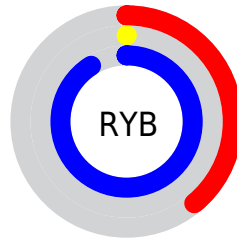
The CIELCh color **35, 117.519, 310.297** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **83, 99.012, 125.746**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 100.852, 312.387**, and **20, 100.472, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 117.714, 310.278**, and if you desaturate by 10%, it is **38, 112.318, 310.786**.

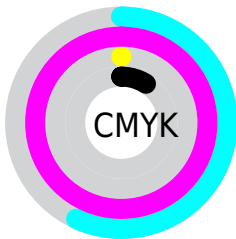
Distribution



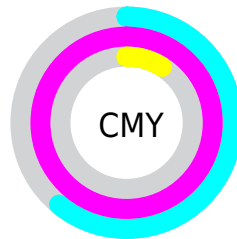
- Red (39%)
- Green (0%)
- Blue (91%)



- Red (39%)
- Yellow (0%)
- Blue (91%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)





- Cyan (61%)
- Magenta (100%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 117.519, 310.297 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, 117.519, 310.297 by changing the saturation by 10% instead.


 35, 117.519,
310.297


 35, 117.519,
310.297


 100, 117.519,
310.297


 25, 117.519,
310.297


 55, 117.519,
310.297


 15, 117.519,
310.297


 65, 117.519,
310.297

 5, 117.519,
310.297

 75, 117.519,
310.297

 0, 117.519,
310.297

 85, 117.519,
310.297

 95, 117.519,
310.297

■ 35, 117.519,
310.297

■ 35, 117.519,
310.297

■ 35, 117.714,
310.278

■ 38, 112.318,
310.786

■ 42, 103.875,
310.864

■ 47, 92.714,
310.584

■ 52, 79.901,
310.085

■ 58, 66.294,
309.476

■ 65, 52.456,
308.833

■ 72, 38.721,
308.202

■ 78, 25.265,

307.609

■ 85, 12.177,
307.063

Harmonies

Complementary

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



35, 117.519, 310.297



83, 99.012, 125.746

Rectangle

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



35, 117.519, 310.297



35, 117.519, 0.297



35, 117.519, 130.297



35, 117.519, 180.297

Sweetspot

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



35, 117.520, 310.298



78, 42.577, 308.238



55, 57.034, 275.161



38, 29.209, 308.503



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, 117.520, 310.298



39, 126.938, 310.219



52, 107.725, 324.952



45, 7.177, 307.057



26, 96.873, 310.461



4, 35.201, 308.580

Inverse Universe

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



50, 79.900, 355.988



55, 86.061, 356.342



80, 110.596, 135.726



45, 6.138, 340.788



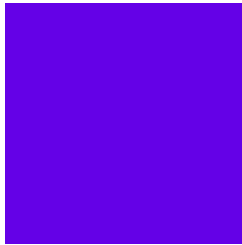
39, 66.075, 355.481



7, 28.423, 349.870

Previews

White Background



This preview shows how the CIE LCh color 35, 117.519, 310.297 looks on a white background.

Color Contrast Check

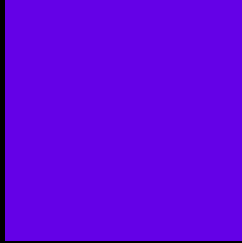
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.519, 310.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

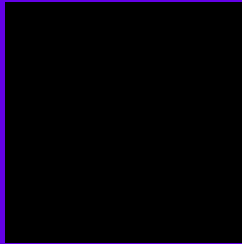
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 117.519, 310.297

Background



This preview shows how black text looks on a background with the CIELCh color 35, 117.519, 310.297.



This preview shows how white text looks on a background with the CIELCh color 35, 117.519, 310.297.

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, 117.519, 310.297

Protanopia

36, 55.500, 286.004

Deuteranopia

35, 38.626, 272.232



Tritanopia
36, 14.919, 214.780

Trichromacy



Original Color
35, 117.519, 310.297

Protanomaly
31, 86.327, 301.144

Deuteranomaly
30, 75.711, 299.387

Tritanomaly
30, 55.729, 301.770

Monochromacy



Original Color
35, 117.519, 310.297

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 54.223, 310.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 117.519, 310.297 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(100, 1, 231)` looks like.

```
.text, #text, p{  
    color:rgb(100, 1, 231)  
}
```

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(100, 1, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 1, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 117.519, 310.297 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(100, 1, 231) }
```

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

```
.border{ border-color:rgb(100, 1, 231) }
```

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

Here you see how a box with a 4 pixel rgb(100, 1, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 1, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 1, 231);  
box-shadow:4px 4px 4px 4px rgb(100, 1,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 117.519, 310.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 1, 231) }
```

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

```
.background{ background-color: rgb(100, 1,  
231) }
```

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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