

Converting Colors

CIELCh(35, 117.654, 310.343)

Have a look what the booklet for
CIELCh(35, 117.654, 310.343)
contains.

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Color

CIELCh(35, 117.660, 310.324)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 6400E7 |
| RGB | 100, 0, 231 |
| RGB Percent | 39%, 0%, 91% |
| CMY | 0.6073, 0.9991, 0.0937 |
| CMYK | 0.57, 1.00, 0.00, 0.09 |
| HSL | 266°, 100%, 45% |
| HSV | 266°, 100%, 91% |
| XYZ | 19.7131, 8.4984, 76.2875 |
| YIQ | 56.2340, -14.5510, 93.0410 |

Conversions

Conversions Part 2

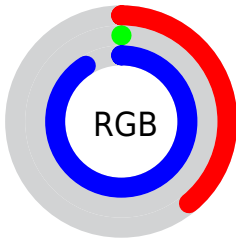
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 100, 0, 231 |
| Decimal | 6553831 |
| CIE _{Lab} | 35.00, 76.14, -89.70 |
| CIE _{LCh} | 35, 117.660, 310.324 |
| Yxy | 8.4984, 0.1886, 0.0813 |
| Android (android.graphics.Color) | 4284743911 (0xFF6400E7) |
| YUV | 56.2340, 86.1596, 38.3828 |
| Hunter-Lab | 29.1520, 69.6892, -134.7489 |

Details

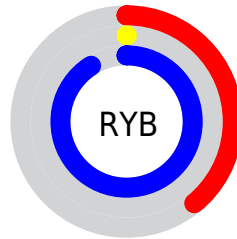
The CIELCh color **35, 117.660, 310.324** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **83, 99.227, 125.867**, and the grayscale version is **23, 0.004, 296.813**.

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, 117.709, 310.320**, and if you desaturate by 10%, it is **38, 112.533, 310.823**.

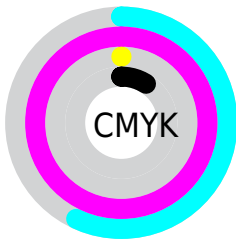
Distribution



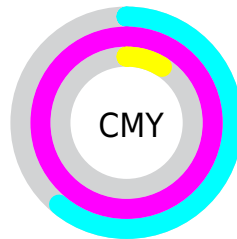
- Red (39%)
- Green (0%)
- Blue (91%)



- 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, 117.660, 310.324 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, 117.660, 310.324 by changing the saturation by 10% instead.


 35, 117.660,
310.324


 35, 117.660,
310.324


 100, 117.660,
310.324


 25, 117.660,
310.324


 55, 117.660,
310.324


 15, 117.660,
310.324


 65, 117.660,
310.324

 5, 117.660,
310.324

 75, 117.660,
310.324

 0, 117.660,
310.324

 85, 117.660,
310.324

 95, 117.660,
310.324

■ 35, 117.660,
310.324

■ 35, 117.660,
310.324

■ 35, 117.709,
310.320

■ 38, 112.533,
310.823

■ 42, 104.206,
310.919

■ 46, 93.125,
310.654

■ 52, 80.356,
310.165

■ 58, 66.765,
309.562

■ 65, 52.926,
308.924

■ 71, 39.177,
308.295

■ 78, 25.702,

307.703

■ 85, 12.592,
307.158

Harmonies

Complementary

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



35, 117.660, 310.324



83, 99.227, 125.867

Rectangle

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



35, 117.660, 310.324



35, 117.660, 0.324



35, 117.660, 130.324



35, 117.660, 180.324

Sweetspot

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



35, 117.661, 310.325



78, 42.589, 308.311



55, 57.220, 275.312



38, 29.217, 308.575



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, 117.661, 310.325



39, 126.879, 310.261



52, 107.832, 324.945



45, 7.179, 307.134



26, 96.829, 310.504



4, 35.214, 308.657

Inverse Universe

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



50, 79.889, 356.297



55, 85.995, 356.545



80, 110.716, 135.721



45, 6.128, 340.897



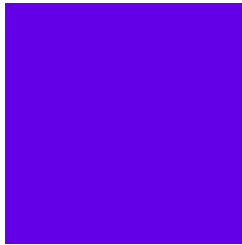
39, 66.022, 355.677



7, 28.394, 350.024

Previews

White Background



This preview shows how the CIELCh color 35, 117.660, 310.324 looks on a white background.

Color Contrast Check

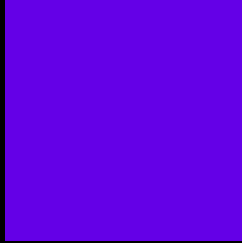
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.660, 310.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

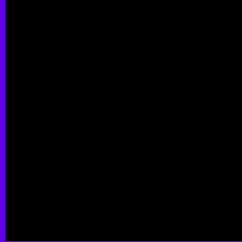
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 117.660, 310.324

Background



This preview shows how black text looks on a background with the CIELCh color 35, 117.660, 310.324.



This preview shows how white text looks on a background with the CIELCh color 35, 117.660, 310.324.

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, 117.660, 310.324

Protanopia

36, 55.500, 286.004

Deuteranopia

35, 38.626, 272.232



Tritanopia
36, 14.652, 215.132

Trichromacy



Original Color
35, 117.660, 310.324

Protanomaly
31, 86.327, 301.144

Deuteranomaly
30, 75.711, 299.387

Tritanomaly
30, 56.400, 302.106

Monochromacy



Original Color
35, 117.660, 310.324

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 54.849, 310.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 117.660, 310.324 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, 0, 231)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 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, 0, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 117.660, 310.324 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, 0, 231) }
```

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

```
.border{ border-color:rgb(100, 0, 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, 0, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 231);  
box-shadow:4px 4px 4px 4px rgb(100, 0,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 117.660, 310.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 231) }
```

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

```
.background{ background-color: rgb(100, 0,  
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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