

Converting Colors

CIELCh(37, 128.213, 309.131)

Have a look what the booklet for
CIELCh(37, 128.213, 309.131)
contains.

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Color

CIELCh(37, 128.122, 309.156)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 5E00FE |
| RGB | 94, 0, 254 |
| RGB Percent | 37%, 0%, 100% |
| CMY | 0.6313, 1.0000, 0.0039 |
| CMYK | 0.63, 1.00, 0.00, 0.00 |
| HSL | 262°, 100%, 50% |
| HSV | 262°, 100%, 100% |
| XYZ | 22.5099, 9.5379, 94.4321 |
| YIQ | 57.0620, -25.5100, 98.9220 |

Conversions

Conversions Part 2

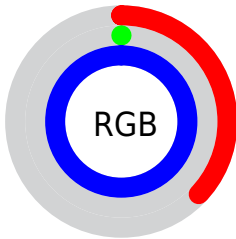
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 94, 0, 254 |
| Decimal | 6160638 |
| CIELab | 37.00, 80.90, -99.35 |
| CIELCh | 37, 128.122, 309.156 |
| Yxy | 9.5379, 0.1780, 0.0754 |
| Android (android.graphics.Color) | 4284350718 (0xFF5E00FE) |
| YUV | 57.0620, 97.0904, 32.3946 |
| Hunter-Lab | 30.8835, 76.0563, -159.6717 |

Details

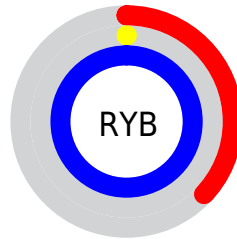
The CIELCh color **37, 128.122, 309.156** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **91, 104.455, 123.402**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 99.941, 311.907**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **37, 128.126, 309.157**, and if you desaturate by 10%, it is **40, 122.582, 309.564**.

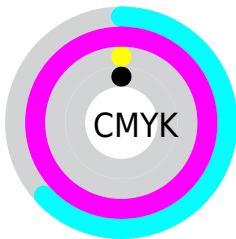
Distribution



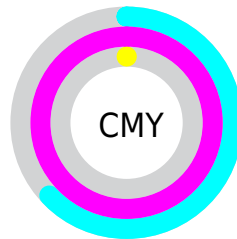
- Red (37%)
- Green (0%)
- Blue (100%)



- Red (37%)
- Yellow (0%)
- Blue (100%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 128.122, 309.156 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 37, 128.122, 309.156 by changing the saturation by 10% instead.


 37, 128.122,
309.156


 37, 128.122,
309.156


 100, 128.122,
309.156


 27, 128.122,
309.156


 57, 128.122,
309.156


 17, 128.122,
309.156


 67, 128.122,
309.156

 7, 128.122,
309.156

 77, 128.122,
309.156

 0, 128.122,
309.156

 87, 128.122,
309.156

 97, 128.122,
309.156

■ 37, 128.122,
309.156

■ 37, 128.122,
309.156

■ 37, 128.126,
309.157

■ 40, 122.582,
309.564

■ 44, 113.312,
309.525

■ 50, 100.983,
309.102

■ 56, 86.880,
308.454

■ 63, 72.000,
307.709

■ 70, 56.964,
306.948

■ 77, 42.118,
306.219

■ 85, 27.633,

305.547

■ 92, 13.588,
304.939

Harmonies

Complementary

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



37, 128.122, 309.156



91, 104.455, 123.402

Rectangle

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



37, 128.122, 309.156



37, 128.122, 359.156



37, 128.122, 129.156



37, 128.122, 179.156

Sweetspot

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



37, 128.124, 309.157



78, 42.256, 306.220



64, 55.765, 268.572



38, 29.011, 306.521



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37, 128.124, 309.157



37, 128.506, 309.155



54, 116.443, 323.013



49, 7.747, 304.911



27, 103.285, 309.331



5, 44.864, 309.424

Inverse Universe

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



56, 88.064, 350.977



56, 88.320, 350.985



88, 118.494, 135.443



50, 6.983, 337.935



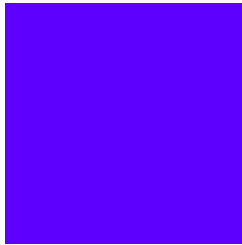
42, 71.367, 350.448



11, 33.652, 346.879

Previews

White Background



This preview shows how the CIELCh color 37, 128.122, 309.156 looks on a white background.

Color Contrast Check

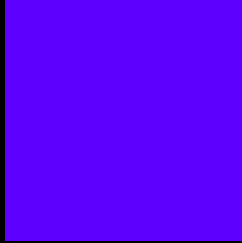
Large Text (above 18pt) WCAG AA ✓ Pass

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 37, 128.122, 309.156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

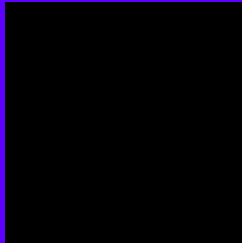
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 128.122, 309.156

Background



This preview shows how black text looks on a background with the CIELCh color 37, 128.122, 309.156.



This preview shows how white text looks on a background with the CIELCh color 37, 128.122, 309.156.

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

37, 128.122, 309.156

Protanopia

37, 57.505, 286.071

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.054, 207.095

Trichromacy



Original Color
37, 128.122, 309.156

Protanomaly
33, 92.590, 301.340

Deuteranomaly
32, 81.038, 299.430

Tritanomaly
30, 61.342, 295.065

Monochromacy



Original Color
37, 128.122, 309.156

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 59.979, 308.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 128.122, 309.156 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(94, 0, 254)` looks like.

```
.text, #text, p{  
    color:rgb(94, 0, 254)  
}
```

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(94, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 128.122, 309.156 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(94, 0, 254) }
```

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

```
.border{ border-color:rgb(94, 0, 254) }
```

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

Here you see how a box with a 4 pixel rgb(94, 0, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(94, 0, 254)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 128.122, 309.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 0, 254) }
```

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

```
.background{ background-color: rgb(94, 0,  
254) }
```

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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