

Converting Colors

CIELCh(37, 128.247, 309.322)

Have a look what the booklet for
CIELCh(37, 128.247, 309.322)
contains.

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Color

CIELCh(37, 128.023, 309.220)

Conversions

Conversions Part 1

Format	Color
Hex	5F00FE
RGB	95, 0, 254
RGB Percent	37%, 0%, 100%
CMY	0.6288, 1.0000, 0.0050
CMYK	0.63, 1.00, 0.00, 0.01
HSL	262°, 100%, 50%
HSV	262°, 100%, 99%
XYZ	22.5205, 9.5379, 94.1841
YIQ	57.3610, -24.9140, 99.1340

Conversions

Conversions Part 2

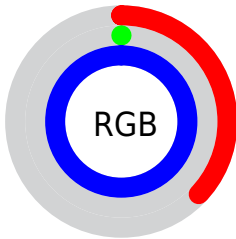
Format	Color
RYB	95, 0, 254
Decimal	6226174
CIELab	37.00, 80.95, -99.18
CIELCh	37, 128.023, 309.220
Yxy	9.5379, 0.1784, 0.0756
Android (android.graphics.Color)	4284416254 (0xFF5F00FE)
YUV	57.3610, 96.9430, 33.0094
Hunter-Lab	30.8835, 76.1172, -159.1956

Details

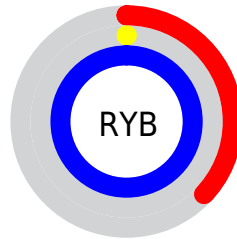
The CIELCh color **37, 128.023, 309.220** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **91, 104.467, 123.529**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 99.915, 312.059**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **37, 127.938, 309.205**, and if you desaturate by 10%, it is **40, 122.412, 309.619**.

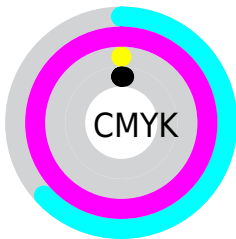
Distribution



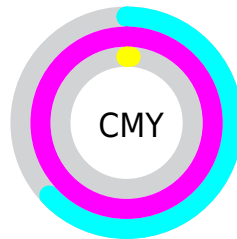
- Red (37%)
- Green (0%)
- Blue (100%)



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



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (63%)
- Magenta (100%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 128.023, 309.220 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, 128.023, 309.220 by changing the saturation by 10% instead.


 37, 128.023,
309.220


 37, 128.023,
309.220


 100, 128.023,
309.220


 27, 128.023,
309.220


 57, 128.023,
309.220


 17, 128.023,
309.220


 67, 128.023,
309.220

 7, 128.023,
309.220

 77, 128.023,
309.220

 0, 128.023,
309.220

 87, 128.023,
309.220

 97, 128.023,
309.220

■ 37, 128.023,
309.220

■ 37, 128.023,
309.220

■ 37, 127.938,
309.205

■ 40, 122.412,
309.619

■ 44, 113.171,
309.588

■ 50, 100.875,
309.174

■ 56, 86.804,
308.534

■ 63, 71.948,
307.796

■ 70, 56.931,
307.042

■ 77, 42.098,
306.318

■ 85, 27.624,

305.650

■ 92, 13.587,
305.045

Harmonies

Complementary

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



37, 128.023, 309.220



91, 104.467, 123.529

Rectangle

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



37, 128.023, 309.220



37, 128.023, 359.220



37, 128.023, 129.220



37, 128.023, 179.220

Sweetspot

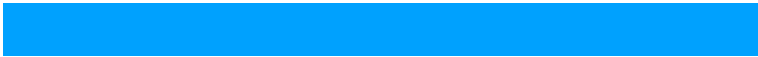
The Sweet Spot groups the original color and five complimentary colors.



37, 127.938, 309.205



78, 42.271, 306.319



64, 55.715, 268.571



38, 29.020, 306.618



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, 127.938, 309.205



37, 128.432, 309.202



54, 116.341, 323.013



49, 7.750, 305.017



27, 103.226, 309.379



5, 44.867, 309.498

Inverse Universe

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



56, 87.858, 351.228



56, 88.190, 351.236



88, 118.390, 135.443



50, 6.968, 338.069



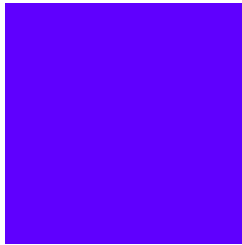
42, 71.261, 350.693



11, 33.601, 347.080

Previews

White Background



This preview shows how the CIELCh color 37, 128.023, 309.220 looks on a white background.

Color Contrast Check

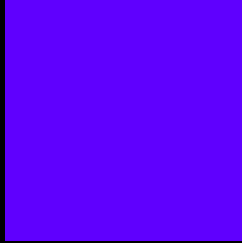
Large Text (above 18pt) WCAG AA ✓ Pass

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, 128.023, 309.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

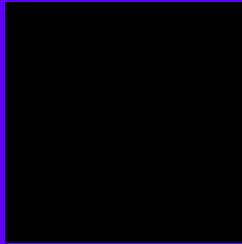
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 128.023, 309.220

Background



This preview shows how black text looks on a background with the CIELCh color 37, 128.023, 309.220.



This preview shows how white text looks on a background with the CIELCh color 37, 128.023, 309.220.

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, 128.023, 309.220

Protanopia

37, 57.505, 286.071

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.054, 207.095

Trichromacy



Original Color
37, 128.023, 309.220

Protanomaly
33, 92.590, 301.340

Deuteranomaly
32, 81.038, 299.430

Tritanomaly
30, 61.342, 295.065

Monochromacy



Original Color
37, 128.023, 309.220

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 59.946, 309.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 128.023, 309.220 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(95, 0, 254)` looks like.

```
.text, #text, p{  
    color:rgb(95, 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(95, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 0, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 128.023, 309.220 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(95, 0, 254) }
```

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

```
.border{ border-color:rgb(95, 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(95, 0, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(95, 0, 254)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 128.023, 309.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 0, 254) }
```

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

```
.background{ background-color: rgb(95, 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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