

Converting Colors

CIELCh(37, 128.197, 309.355)

Have a look what the booklet for
CIELCh(37, 128.197, 309.355)
contains.

CIELCh(37, 127.924, 309.284)	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(37, 127.924, 309.284)

Conversions

Conversions Part 1

Format	Color
Hex	5F00FD
RGB	95, 0, 253
RGB Percent	37%, 0%, 99%
CMY	0.6263, 1.0000, 0.0062
CMYK	0.62, 1.00, 0.00, 0.01
HSL	263°, 100%, 50%
HSV	263°, 100%, 99%
XYZ	22.5310, 9.5379, 93.9365
YIQ	57.2470, -24.5930, 98.8230

Conversions

Conversions Part 2

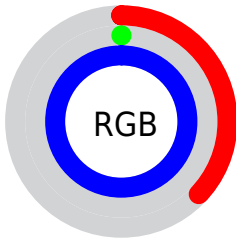
Format	Color
RYB	95, 0, 253
Decimal	6226173
CIELab	37.00, 81.00, -99.02
CIElCh	37, 127.924, 309.284
Yxy	9.5379, 0.1788, 0.0757
Android (android.graphics.Color)	4284416253 (0xFF5F00FD)
YUV	57.2470, 96.5062, 33.1094
Hunter-Lab	30.8835, 76.1779, -158.7203

Details

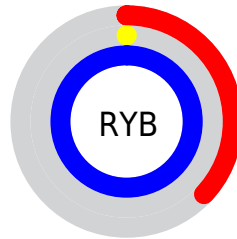
The CIELCh color **37, 127.924, 309.284** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **91, 104.476, 123.653**, and the grayscale version is **24, 0.004, 296.813**.

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, 127.752, 309.253**, and if you desaturate by 10%, it is **40, 122.240, 309.674**.

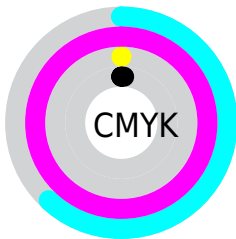
Distribution



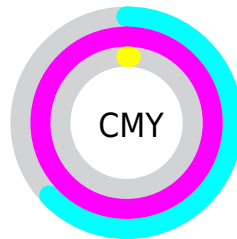
- Red (37%)
- Green (0%)
- Blue (99%)



- Red (37%)
- Yellow (0%)
- Blue (99%)



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 127.924, 309.284 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, 127.924, 309.284 by changing the saturation by 10% instead.

 37, 127.924,
309.284

 37, 127.924,
309.284


 100, 127.924,
309.284

 27, 127.924,
309.284


 57, 127.924,
309.284

 17, 127.924,
309.284

 67, 127.924,
309.284

 7, 127.924,
309.284

 77, 127.924,
309.284

 0, 127.924,
309.284

 87, 127.924,
309.284

 97, 127.924,
309.284

■ 37, 127.924,
309.284

■ 37, 127.924,
309.284

■ 37, 127.752,
309.253

■ 40, 122.240,
309.674

■ 44, 113.027,
309.650

■ 50, 100.763,
309.244

■ 56, 86.721,
308.613

■ 63, 71.890,
307.882

■ 70, 56.891,
307.134

■ 77, 42.073,
306.415

■ 85, 27.610,

305.751

■ 92, 13.580,
305.149

Harmonies

Complementary

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



37, 127.924, 309.284



91, 104.476, 123.653

Rectangle

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



37, 127.924, 309.284



37, 127.924, 359.284



37, 127.924, 129.284



37, 127.924, 179.284

Sweetspot

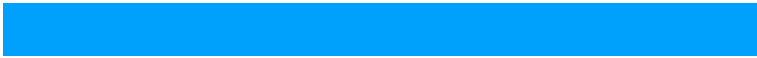
The Sweet Spot groups the original color and five complimentary colors.



37, 127.752, 309.253



78, 42.285, 306.416



64, 55.663, 268.567



38, 29.029, 306.713



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, 127.752, 309.253



37, 128.358, 309.250



54, 116.239, 323.013



49, 7.754, 305.121



27, 103.167, 309.427



5, 44.871, 309.572

Inverse Universe

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



56, 87.656, 351.475



56, 88.063, 351.485



87, 118.285, 135.443



50, 6.954, 338.201



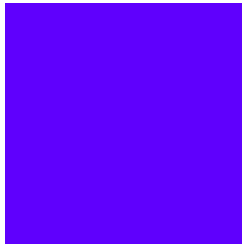
42, 71.157, 350.936



11, 33.550, 347.279

Previews

White Background



This preview shows how the CIELCh color 37, 127.924, 309.284 looks on a white background.

Color Contrast Check

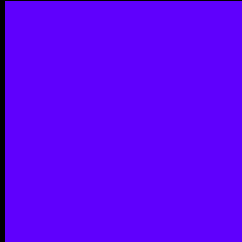
Large Text (above 18pt) WCAG AA ✓ Pass

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, 127.924, 309.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

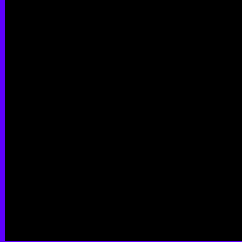
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 127.924, 309.284

Background



This preview shows how black text looks on a background with the CIELCh color 37, 127.924, 309.284.



This preview shows how white text looks on a background with the CIELCh color 37, 127.924, 309.284.

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, 127.600, 309.246

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.054, 207.095

Trichromacy



Original Color
37, 127.600, 309.246

Protanomaly
33, 92.565, 301.391

Deuteranomaly
32, 81.017, 299.498

Tritanomaly
30, 61.324, 295.185

Monochromacy



Original Color
37, 127.600, 309.246

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 59.385, 309.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 127.924, 309.284 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(95, 0, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 0, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 127.924, 309.284 is called "border". The border property can be set on classes, ids or directly on the HTML element.

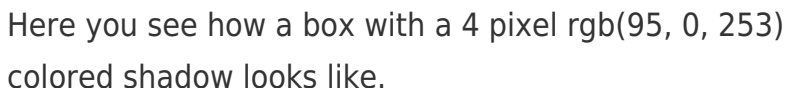
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(95, 0, 253) }
```

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

```
.border{ border-color:rgb(95, 0, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 0, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 0, 253); box-shadow:4px 4px 4px 4px rgb(95, 0, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 127.924, 309.284 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, 253) }
```

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

```
.background{ background-color: rgb(95, 0,  
253) }
```

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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