

Converting Colors

CIELCh(37, 125.682, 309.161)

Have a look what the booklet for
CIELCh(37, 125.682, 309.161)
contains.

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Color

CIELCh(37, 125.842, 309.129)

Conversions

Conversions Part 1	
Format	Color
Hex	5F07FB
RGB	95, 7, 251
RGB Percent	37%, 3%, 98%
CMY	0.6278, 0.9732, 0.0159
CMYK	0.62, 0.97, 0.00, 0.02
HSL	262°, 97%, 51%
HSV	262°, 97%, 98%
XYZ	22.1872, 9.5379, 91.8849
YIQ	61.1280, -25.8760, 94.5400

Conversions

Conversions Part 2

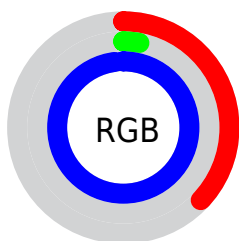
Format	Color
RYB	95, 7, 251
Decimal	6227963
CIELab	37.00, 79.41, -97.62
CIELCh	37, 125.842, 309.129
Yxy	9.5379, 0.1795, 0.0772
Android (android.graphics.Color)	4284418043 (0xFF5F07FB)
YUV	61.1280, 93.6069, 29.7057
Hunter-Lab	30.8835, 74.1908, -154.7816

Details

The CIELCh color **37, 125.842, 309.129** 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 **90, 102.368, 122.666**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 98.957, 311.722**, and **23, 108.515, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 127.165, 309.016**, and if you desaturate by 10%, it is **40, 119.457, 309.425**.

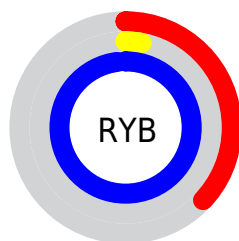
Distribution



Red (37%)

Green (3%)

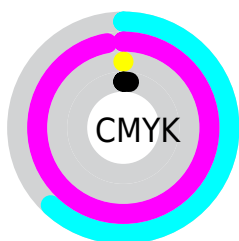
Blue (98%)



Red (37%)

Yellow (3%)

Blue (98%)

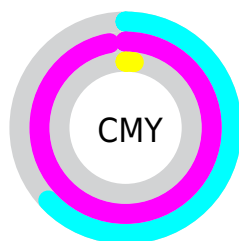


Cyan (62%)

Magenta (97%)

Yellow (0%)

Black (2%)



Cyan (63%)


Magenta (97%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 125.842, 309.129 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, 125.842, 309.129 by changing the saturation by 10% instead.


 37, 125.842,
309.129


 37, 125.842,
309.129


 100, 125.842,
309.129


 27, 125.842,
309.129


 57, 125.842,
309.129


 17, 125.842,
309.129


 67, 125.842,
309.129


 7, 125.842,
309.129


 77, 125.842,
309.129


 0, 125.842,
309.129


 87, 125.842,
309.129


 97, 125.842,
309.129


 37, 125.842,
309.129

 37, 125.842,
309.129


 36, 127.165,
309.016


 40, 119.457,
309.425


 45, 109.241,
309.235

 51, 96.362,
308.707

 57, 82.056,
307.996

 64, 67.205,
307.218

 71, 52.333,
306.444

 78, 37.722,
305.715

 86, 23.505,

305.049

 93, 9.739, 304.449

Harmonies

Complementary

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



37, 125.842, 309.129



90, 102.368, 122.666

Rectangle

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



37, 125.842, 309.129



37, 125.842, 359.129



37, 125.842, 129.129



37, 125.842, 179.129

Sweetspot

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



37, 125.844, 309.130



78, 40.741, 305.838



65, 52.403, 264.517



38, 28.138, 306.147



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, 125.844, 309.130



37, 128.736, 309.008



53, 115.009, 322.503



48, 7.608, 304.577



26, 102.429, 309.191



5, 42.995, 308.807

Inverse Universe

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



55, 87.665, 349.451



56, 88.742, 350.201



87, 116.435, 135.253



49, 6.913, 337.516



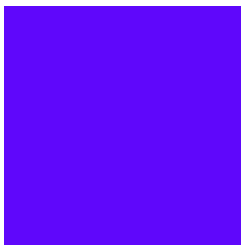
41, 71.010, 349.658



10, 32.976, 346.073

Previews

White Background



This preview shows how the CIELCh color 37, 125.842, 309.129 looks on a white background.

Color Contrast Check

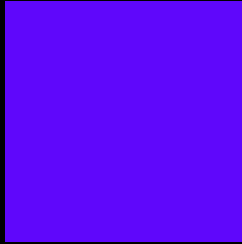
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 125.842, 309.129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

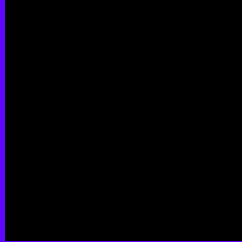
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 125.842, 309.129

Background



This preview shows how black text looks on a background with the CIELCh color 37, 125.842, 309.129.



This preview shows how white text looks on a background with the CIELCh color 37, 125.842, 309.129.

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, 125.842, 309.129

Protanopia

37, 56.938, 285.804

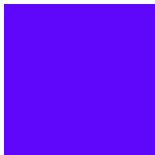
Deuteranopia

37, 39.669, 272.028



Tritanopia
37, 23.826, 208.786

Trichromacy



Original Color
37, 125.842, 309.129



Protanomaly
33, 89.731, 300.683



Deuteranomaly
32, 78.639, 298.827



Tritanomaly
31, 59.378, 294.219

Monochromacy



Original Color
37, 125.842, 309.129



Achromatopsia
26, 0.004, 296.813



Achromatomaly
26, 57.441, 308.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 125.842, 309.129 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, 7, 251)` looks like.

```
.text, #text, p{  
    color:rgb(95, 7, 251)  
}
```

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, 7, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 7, 251) }
```

Border

The CSS property to change the border of an element to CIElCh 37, 125.842, 309.129 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, 7, 251) }
```

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

```
.border{ border-color:rgb(95, 7, 251) }
```

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

Here you see how a box with a 4 pixel rgb(95, 7, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 7, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 7, 251);  
box-shadow:4px 4px 4px 4px rgb(95, 7, 251)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 125.842, 309.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 7, 251) }
```

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

```
.background{ background-color: rgb(95, 7,  
251) }
```

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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