

Converting Colors

CIELCh(37, 124.396, 306.155)

Have a look what the booklet for
CIELCh(37, 124.396, 306.155)
contains.

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Color

CIELCh(37, 124.126, 306.151)

Conversions

Conversions Part 1

Format	Color
Hex	4122FF
RGB	65, 34, 255
RGB Percent	25%, 13%, 100%
CMY	0.7460, 0.8648, 0.0000
CMYK	0.75, 0.86, 0.00, 0.00
HSL	248°, 100%, 57%
HSV	248°, 86%, 100%
XYZ	20.8754, 9.5379, 95.7420
YIQ	68.4630, -52.4650, 75.3030

Conversions

Conversions Part 2

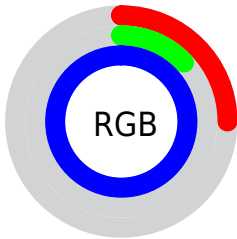
Format	Color
R _Y B	65, 34, 255
Decimal	4268799
CIE Lab	37.00, 73.22, -100.23
CIE LCh	37, 124.126, 306.151
Yxy	9.5379, 0.1655, 0.0756
Android (android.graphics.Color)	4282458879 (0xFF4122FF)
YUV	68.4630, 91.9627, -3.0371
Hunter-Lab	30.8835, 66.6088, -162.1864

Details

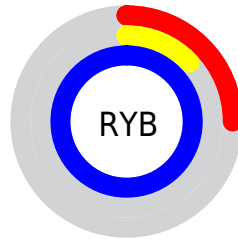
The CIELCh color **37, 124.126, 306.151** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **95, 94.347, 110.726**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 94.131, 307.386**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 131.207, 306.630**, and if you desaturate by 10%, it is **42, 112.060, 305.067**.

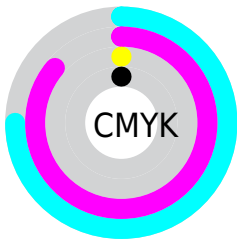
Distribution



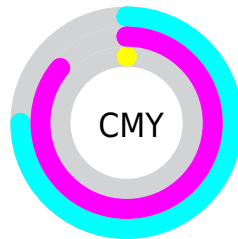
- Red (25%)
- Green (13%)
- Blue (100%)



- Red (25%)
- Yellow (13%)
- Blue (100%)



- Cyan (75%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (86%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 124.126, 306.151 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, 124.126, 306.151 by changing the saturation by 10% instead.


 37, 124.126,
306.151


 37, 124.126,
306.151


 100, 124.126,
306.151


 27, 124.126,
306.151


 57, 124.126,
306.151


 17, 124.126,
306.151


 67, 124.126,
306.151

 7, 124.126,
306.151

 77, 124.126,
306.151

 0, 124.126,
306.151

 87, 124.126,
306.151

 97, 124.126,
306.151

■ 37, 124.126,
306.151

■ 37, 124.126,
306.151

■ 34, 131.207,
306.630

■ 42, 112.060,
305.067

■ 33, 132.896,
306.715

■ 48, 97.536,
303.629

■ 55, 81.985,
302.084

■ 63, 66.354,
300.591

■ 71, 51.083,
299.228

■ 79, 36.339,
298.025

■ 87, 22.164,
296.980

■ 95, 8.547, 296.081

100, 0.012,
296.813

Harmonies

Complementary

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



37, 124.126, 306.151



95, 94.347, 110.726

Rectangle

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



37, 124.126, 306.151



37, 124.126, 356.151



37, 124.126, 126.151



37, 124.126, 176.151

Sweetspot

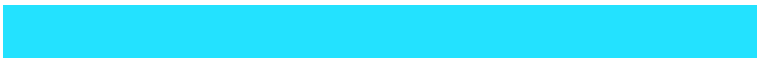
The Sweet Spot groups the original color and five complimentary colors.



37, 123.920, 306.152



79, 35.649, 297.971



83, 43.037, 218.396



39, 24.335, 298.367



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, 123.920, 306.152



33, 132.896, 306.715



49, 115.383, 316.001



49, 7.544, 296.339



24, 106.901, 306.798



4, 44.436, 304.400

Inverse Universe

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



60, 101.506, 333.798



58, 103.566, 334.726



90, 107.775, 130.892



50, 8.239, 328.978



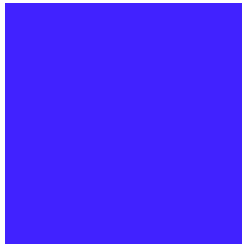
44, 83.571, 334.597



12, 38.944, 333.728

Previews

White Background



This preview shows how the CIELCh color 37, 124.126, 306.151 looks on a white background.

Color Contrast Check

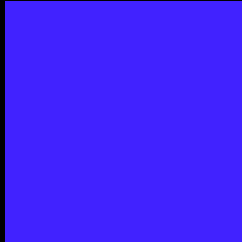
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.126, 306.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

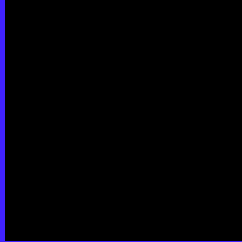
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 124.126, 306.151

Background



This preview shows how black text looks on a background with the CIELCh color 37, 124.126, 306.151.



This preview shows how white text looks on a background with the CIELCh color 37, 124.126, 306.151.

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, 124.067, 306.197

Protanopia

36, 56.505, 286.039

Deuteranopia

37, 38.630, 271.196



Tritanopia
37, 23.854, 204.109

Trichromacy



Original Color
37, 124.067, 306.197

Protanomaly
35, 84.425, 298.232

Deuteranomaly
34, 72.931, 295.441

Tritanomaly
33, 52.264, 287.876

Monochromacy



Original Color
37, 124.067, 306.197

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 51.764, 302.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 124.126, 306.151 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(65, 34, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 34, 255)  
}
```

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(65, 34, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 34, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 124.126, 306.151 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(65, 34, 255) }
```

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

```
.border{ border-color:rgb(65, 34, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 34, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 34, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 34, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 34,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 124.126, 306.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 34, 255) }
```

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

```
.background{ background-color: rgb(65, 34,  
255) }
```

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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