

Converting Colors

CIELCh(37, 125.305, 306.994)

Have a look what the booklet for
CIELCh(37, 125.305, 306.994)
contains.

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Color

CIELCh(37, 125.312, 307.024)

Conversions

Conversions Part 1

Format	Color
Hex	4A1CFF
RGB	74, 28, 255
RGB Percent	29%, 11%, 100%
CMY	0.7088, 0.8894, 0.0000
CMYK	0.71, 0.89, 0.00, 0.00
HSL	252°, 100%, 56%
HSV	252°, 89%, 100%
XYZ	21.3423, 9.5379, 95.4718
YIQ	67.6320, -45.4510, 80.3490

Conversions

Conversions Part 2

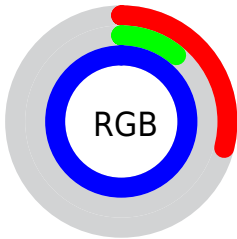
Format	Color
R_{YB}	74, 28, 255
Decimal	4857087
CIE _{Lab}	37.00, 75.46, -100.05
CIE _{LCh}	37, 125.312, 307.024
Yxy	9.5379, 0.1689, 0.0755
Android (android.graphics.Color)	4283047167 (0xFF4A1CFF)
YUV	67.6320, 92.3724, 5.5847
Hunter-Lab	30.8835, 69.3077, -161.6677

Details

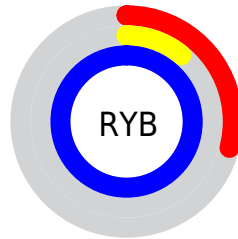
The CIELCh color $37, 125.312, 307.024$ is a dark color, and the websafe version is hex $6600FF$. The color can be described as dark washed blue. A complement of this color would be $94, 96.528, 114.288$, and the grayscale version is $28, 0.004, 296.813$.

A 20% lighter version of the original color is $52, 95.654, 308.675$, and $24, 109.772, 306.287$ is the 20% darker color. If you saturate the color by 10%, you get $34, 131.478, 307.147$, and if you desaturate by 10%, it is $42, 114.567, 306.349$.

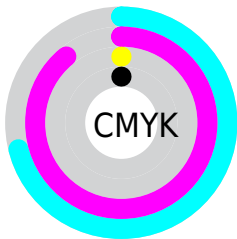
Distribution



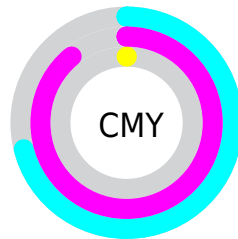
- Red (29%)
- Green (11%)
- Blue (100%)



- Red (29%)
- Yellow (11%)
- Blue (100%)



- Cyan (71%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (89%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 125.312, 307.024 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, 125.312, 307.024 by changing the saturation by 10% instead.


 37, 125.312,
307.024


 37, 125.312,
307.024


 100, 125.312,
307.024


 27, 125.312,
307.024


 57, 125.312,
307.024


 17, 125.312,
307.024


 67, 125.312,
307.024

 7, 125.312,
307.024

 77, 125.312,
307.024

 0, 125.312,
307.024

 87, 125.312,
307.024

 97, 125.312,
307.024

■ 37, 125.312,
307.024

■ 37, 125.312,
307.024

■ 34, 131.478,
307.147

■ 42, 114.567,
306.349

■ 34, 132.006,
307.154

■ 48, 100.854,
305.274

■ 54, 85.725,
304.026

■ 62, 70.235,
302.766

■ 70, 54.935,
301.582

■ 77, 40.067,
300.513

■ 85, 25.721,
299.571

■ 93, 11.913,

298.750

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, 125.312, 307.024



94, 96.528, 114.288

Rectangle

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



37, 125.312, 307.024



37, 125.312, 357.024



37, 125.312, 127.024



37, 125.312, 177.024

Sweetspot

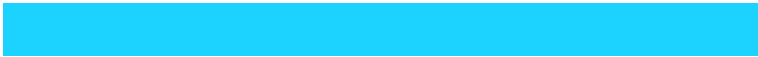
The Sweet Spot groups the original color and five complimentary colors.



37, 125.237, 307.027



79, 37.242, 300.321



78, 42.924, 232.189



39, 25.260, 300.663



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, 125.237, 307.027



34, 132.006, 307.154



50, 115.797, 317.875



49, 7.584, 298.793



24, 106.144, 307.268



4, 44.564, 305.608

Inverse Universe

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



59, 97.511, 337.354



58, 98.441, 338.594



89, 111.161, 132.587



50, 7.865, 331.207



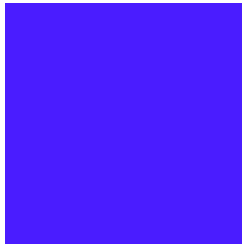
43, 79.496, 338.376



11, 37.248, 336.912

Previews

White Background



This preview shows how the CIELCh color 37, 125.312, 307.024 looks on a white background.

Color Contrast Check

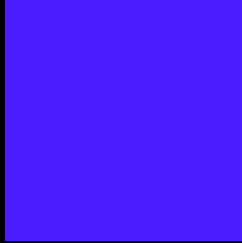
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125.312, 307.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

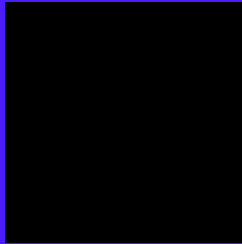
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 125.312, 307.024

Background



This preview shows how black text looks on a background with the CIELCh color 37, 125.312, 307.024.

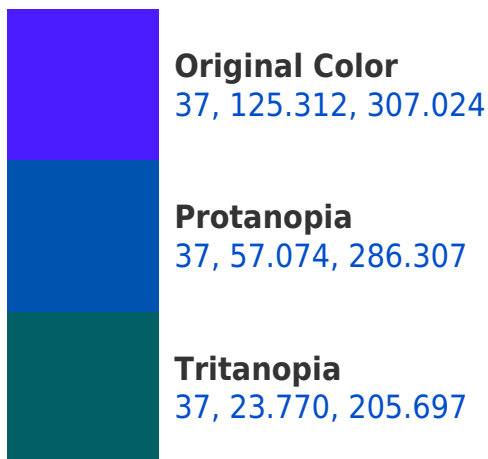


This preview shows how white text looks on a background with the CIELCh color 37, 125.312, 307.024.

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



Trichromacy



Original Color
37, 125.312, 307.024

Protanomaly
34, 86.188, 298.936

Tritanomaly
32, 54.789, 290.029

Monochromacy



Original Color
37, 125.312, 307.024

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 52.498, 303.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 125.312, 307.024 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(74, 28, 255)` looks like.

```
.text, #text, p{  
  color:rgb(74, 28, 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(74, 28, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 28, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 125.312, 307.024 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(74, 28, 255) }
```

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

```
.border{ border-color:rgb(74, 28, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 28, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 28, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 28, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 28,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 125.312, 307.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 28, 255) }
```

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

```
.background{ background-color: rgb(74, 28,  
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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