

Converting Colors

CIELCh(37, 122.733, 305.739)

Have a look what the booklet for
CIELCh(37, 122.733, 305.739)
contains.

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Color

CIELCh(37, 122.446, 305.710)

Conversions

Conversions Part 1

Format	Color
Hex	3D26FE
RGB	61, 38, 254
RGB Percent	24%, 15%, 100%
CMY	0.7606, 0.8509, 0.0038
CMYK	0.76, 0.85, 0.00, 0.00
HSL	246°, 99%, 57%
HSV	246°, 85%, 100%
XYZ	20.5133, 9.5379, 94.5425
YIQ	69.5010, -55.6280, 72.0520

Conversions

Conversions Part 2

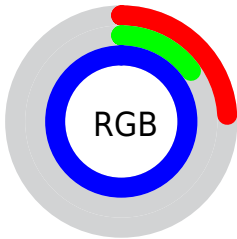
Format	Color
R _Y B	61, 38, 254
Decimal	4007678
CIE Lab	37.00, 71.47, -99.42
CIE LCh	37, 122.446, 305.710
Yxy	9.5379, 0.1646, 0.0766
Android (android.graphics.Color)	4282197758 (0xFF3D26FE)
YUV	69.5010, 90.9580, -7.4554
Hunter-Lab	30.8835, 64.5163, -159.8837

Details

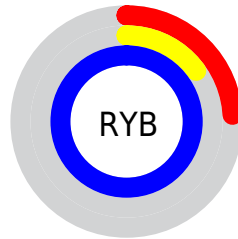
The CIELCh color **37, 122.446, 305.710** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **95, 93.013, 109.051**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 93.068, 306.657**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 130.456, 306.407**, and if you desaturate by 10%, it is **42, 110.010, 304.414**.

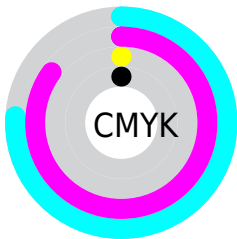
Distribution



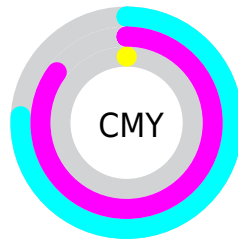
- Red (24%)
- Green (15%)
- Blue (100%)



- Red (24%)
- Yellow (15%)
- Blue (100%)



- Cyan (76%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (85%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 122.446, 305.710 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, 122.446, 305.710 by changing the saturation by 10% instead.


 37, 122.446,
305.710


 37, 122.446,
305.710


 100, 122.446,
305.710


 27, 122.446,
305.710


 57, 122.446,
305.710


 17, 122.446,
305.710


 67, 122.446,
305.710

 7, 122.446,
305.710

 77, 122.446,
305.710

 0, 122.446,
305.710

 87, 122.446,
305.710

 97, 122.446,
305.710

■ 37, 122.446,
305.710

■ 37, 122.446,
305.710

■ 34, 130.456,
306.407

■ 42, 110.010,
304.414

■ 33, 132.814,
306.570

■ 49, 95.164,
302.796

■ 56, 79.503,
301.110

■ 64, 63.895,
299.511

■ 72, 48.719,
298.070

■ 80, 34.102,
296.808

■ 88, 20.068,
295.720

■ 96, 6.594, 294.790

100, 0.485,
109.982

Harmonies

Complementary

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



37, 122.446, 305.710



95, 93.013, 109.051

Rectangle

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



37, 122.446, 305.710



37, 122.446, 355.710



37, 122.446, 125.710



37, 122.446, 175.710

Sweetspot

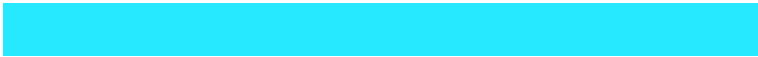
The Sweet Spot groups the original color and five complimentary colors.



37, 122.448, 305.711



79, 35.598, 296.923



85, 43.691, 212.080



39, 24.304, 297.346



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, 122.448, 305.711



33, 133.204, 306.569



48, 114.542, 315.114



49, 7.530, 295.187



23, 107.172, 306.637



4, 44.373, 303.841

Inverse Universe

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



60, 102.934, 332.319



59, 106.117, 333.098



90, 105.513, 129.915



50, 8.418, 328.007



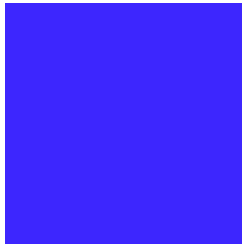
44, 85.595, 333.005



12, 39.776, 332.371

Previews

White Background



This preview shows how the CIE LCh color 37, 122.446, 305.710 looks on a white background.

Color Contrast Check

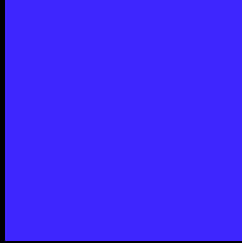
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122.446, 305.710 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, 122.446, 305.710

Background



This preview shows how black text looks on a background with the CIELCh color 37, 122.446, 305.710.



This preview shows how white text looks on a background with the CIELCh color 37, 122.446, 305.710.

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, 122.446, 305.710

Protanopia

37, 57.074, 286.307

Deuteranopia

37, 38.630, 271.196



Tritanopia
37, 23.854, 204.109

Trichromacy



Original Color
37, 122.446, 305.710

Protanomaly
35, 83.720, 297.724

Deuteranomaly
34, 72.293, 294.999

Tritanomaly
33, 51.641, 287.110

Monochromacy



Original Color
37, 122.446, 305.710

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 50.396, 301.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 122.446, 305.710 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(61, 38, 254)` looks like.

```
.text, #text, p{  
    color:rgb(61, 38, 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(61, 38, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 38, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 122.446, 305.710 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(61, 38, 254) }
```

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

```
.border{ border-color:rgb(61, 38, 254) }
```

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

Here you see how a box with a 4 pixel rgb(61, 38, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 38, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 38, 254);  
box-shadow:4px 4px 4px 4px rgb(61, 38,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 122.446, 305.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 38, 254) }
```

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

```
.background{ background-color: rgb(61, 38,  
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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