

Converting Colors

CIELCh(37, 121.172, 304.993)

Have a look what the booklet for
CIELCh(37, 121.172, 304.993)
contains.

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Color

CIELCh(37, 121.343, 304.987)

Conversions

Conversions Part 1

Format	Color
Hex	342AFE
RGB	52, 42, 254
RGB Percent	20%, 16%, 100%
CMY	0.7962, 0.8354, 0.0040
CMYK	0.80, 0.83, 0.00, 0.00
HSL	243°, 99%, 58%
HSV	243°, 83%, 100%
XYZ	20.1274, 9.5379, 94.5280
YIQ	69.1580, -62.0920, 68.0520

Conversions

Conversions Part 2

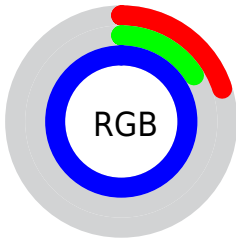
Format	Color
R _Y B	52, 42, 254
Decimal	3418878
CIE Lab	37.00, 69.58, -99.41
CIE LCh	37, 121.343, 304.987
Yxy	9.5379, 0.1621, 0.0768
Android (android.graphics.Color)	4281608958 (0xFF342AFE)
YUV	69.1580, 91.1271, -15.0476
Hunter-Lab	30.8835, 62.2857, -159.8559

Details

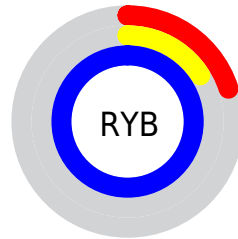
The CIELCh color **37, 121.343, 304.987** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **96, 91.762, 105.815**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 91.446, 305.461**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 130.111, 306.032**, and if you desaturate by 10%, it is **42, 108.234, 303.330**.

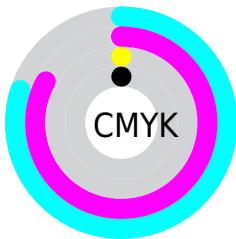
Distribution



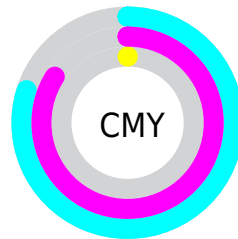
- Red (20%)
- Green (16%)
- Blue (100%)



- Red (20%)
- Yellow (16%)
- Blue (100%)



- Cyan (80%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (84%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 121.343, 304.987 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, 121.343, 304.987 by changing the saturation by 10% instead.


 37, 121.343,
304.987


 37, 121.343,
304.987


 100, 121.343,
304.987


 27, 121.343,
304.987


 57, 121.343,
304.987


 17, 121.343,
304.987


 67, 121.343,
304.987

 7, 121.343,
304.987

 77, 121.343,
304.987

 0, 121.343,
304.987

 87, 121.343,
304.987

 97, 121.343,
304.987

■ 37, 121.343,
304.987

■ 37, 121.343,
304.987

■ 34, 130.111,
306.032

■ 42, 108.234,
303.330

■ 32, 133.203,
306.381

■ 49, 92.959,
301.380

■ 57, 77.100,
299.412

■ 64, 61.452,
297.585

■ 72, 46.326,
295.967

■ 81, 31.804,
294.567

■ 89, 17.882,
293.372

■ 97, 4.526, 292.364

100, 0.506,
109.987

Harmonies

Complementary

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



37, 121.343, 304.987



96, 91.762, 105.815

Rectangle

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



37, 121.343, 304.987



37, 121.343, 354.987



37, 121.343, 124.987



37, 121.343, 174.987

Sweetspot

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



37, 121.345, 304.988



80, 34.092, 294.768



89, 46.491, 201.175



40, 23.433, 295.246



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, 121.345, 304.988



32, 133.610, 306.381



47, 114.311, 313.371



49, 7.511, 292.950



23, 107.546, 306.420



3, 44.241, 302.708

Inverse Universe

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



61, 106.698, 329.818



60, 111.288, 330.243



90, 102.389, 127.821



50, 8.771, 326.244



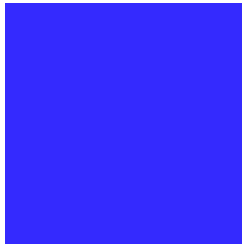
45, 89.694, 330.207



12, 41.448, 329.959

Previews

White Background



This preview shows how the CIELCh color 37, 121.343, 304.987 looks on a white background.

Color Contrast Check

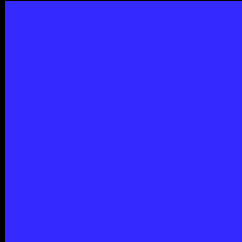
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.343, 304.987 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, 121.343, 304.987

Background



This preview shows how black text looks on a background with the CIELCh color 37, 121.343, 304.987.



This preview shows how white text looks on a background with the CIELCh color 37, 121.343, 304.987.

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, 121.343, 304.987

Protanopia

36, 56.505, 286.039

Deuteranopia

37, 38.630, 271.196



Tritanopia
37, 23.854, 204.109

Trichromacy



Original Color
37, 121.343, 304.987

Protanomaly
35, 82.564, 297.252

Deuteranomaly
35, 70.999, 294.161

Tritanomaly
33, 51.035, 286.249

Monochromacy



Original Color
37, 121.343, 304.987

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 49.149, 299.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 121.343, 304.987 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(52, 42, 254)` looks like.

```
.text, #text, p{  
    color:rgb(52, 42, 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(52, 42, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 42, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 121.343, 304.987 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(52, 42, 254) }
```

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

```
.border{ border-color:rgb(52, 42, 254) }
```

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

Here you see how a box with a 4 pixel rgb(52, 42, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 42, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 42, 254);  
box-shadow:4px 4px 4px 4px rgb(52, 42,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 121.343, 304.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 42, 254) }
```

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

```
.background{ background-color: rgb(52, 42,  
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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