

Converting Colors

CIELCh(37, 121.332, 304.660)

Have a look what the booklet for
CIELCh(37, 121.332, 304.660)
contains.

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Color

CIELCh(37, 121.640, 304.686)

Conversions

Conversions Part 1

Format	Color
Hex	2E2BFF
RGB	46, 43, 255
RGB Percent	18%, 17%, 100%
CMY	0.8191, 0.8312, 0.0000
CMYK	0.82, 0.83, 0.00, 0.00
HSL	241°, 100%, 58%
HSV	241°, 83%, 100%
XYZ	20.0557, 9.5379, 95.4351
YIQ	68.0650, -66.2640, 66.5680

Conversions

Conversions Part 2

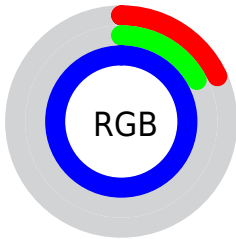
Format	Color
R_{YB}	46, 43, 255
Decimal	3025919
CIE _{Lab}	37.00, 69.22, -100.02
CIE _{LCh}	37, 121.640, 304.686
Yxy	9.5379, 0.1604, 0.0763
Android (android.graphics.Color)	4281215999 (0xFF2E2BFF)
YUV	68.0650, 92.1590, -19.3510
Hunter-Lab	30.8835, 61.8714, -161.5974

Details

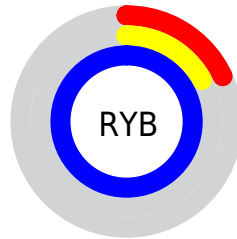
The CIELCh color **37, 121.640, 304.686** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **97, 91.763, 104.028**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 90.920, 304.856**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 130.533, 305.885**, and if you desaturate by 10%, it is **42, 108.296, 302.849**.

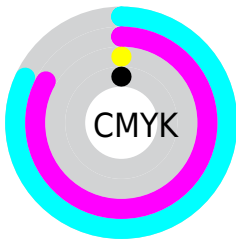
Distribution



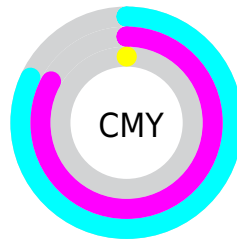
- Red (18%)
- Green (17%)
- Blue (100%)



- Red (18%)
- Yellow (17%)
- Blue (100%)



- Cyan (82%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (83%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 121.640, 304.686 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, 121.640, 304.686 by changing the saturation by 10% instead.

 37, 121.640,
304.686


 37, 121.640,
304.686

 100, 121.640,
304.686

 27, 121.640,
304.686


 57, 121.640,
304.686


 17, 121.640,
304.686

 67, 121.640,
304.686

 7, 121.640,
304.686

 77, 121.640,
304.686

 0, 121.640,
304.686

 87, 121.640,
304.686

 97, 121.640,
304.686

■ 37, 121.640,
304.686

■ 37, 121.640,
304.686

■ 34, 130.533,
305.885

■ 42, 108.296,
302.849

■ 32, 133.752,
306.316

■ 49, 92.830,
300.716

■ 57, 76.838,
298.583

■ 65, 61.109,
296.616

■ 73, 45.936,
294.885

■ 81, 31.387,
293.396

■ 89, 17.446,
292.130

■ 97, 4.076, 291.070

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, 121.640, 304.686



97, 91.763, 104.028

Rectangle

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



37, 121.640, 304.686



37, 121.640, 354.686



37, 121.640, 124.686



37, 121.640, 174.686

Sweetspot

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



37, 121.618, 304.687



80, 34.072, 293.658



91, 48.535, 196.477



39, 23.421, 294.169



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, 121.618, 304.687



32, 133.752, 306.316



46, 114.882, 312.532



49, 7.505, 291.723



23, 107.708, 306.328



3, 44.163, 302.057

Inverse Universe

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



62, 109.361, 328.599



60, 114.229, 328.832



91, 101.441, 126.695



50, 8.968, 325.339



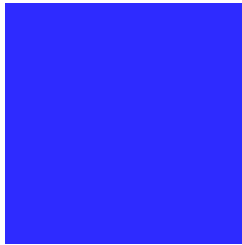
45, 92.023, 328.822



12, 42.393, 328.750

Previews

White Background



This preview shows how the CIELCh color 37, 121.640, 304.686 looks on a white background.

Color Contrast Check

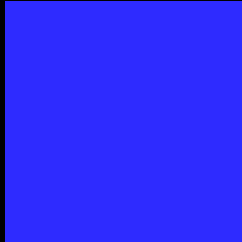
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.640, 304.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

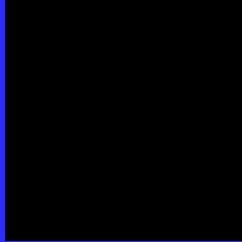
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 121.640, 304.686

Background



This preview shows how black text looks on a background with the CIELCh color 37, 121.640, 304.686.



This preview shows how white text looks on a background with the CIELCh color 37, 121.640, 304.686.

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, 121.640, 304.686

Protanopia

36, 56.505, 286.039

Deuteranopia

37, 38.630, 271.196



Tritanopia
36, 23.676, 204.182

Trichromacy



Original Color
37, 121.640, 304.686

Protanomaly
35, 82.584, 297.182

Deuteranomaly
35, 71.018, 294.066

Tritanomaly
33, 50.481, 285.779

Monochromacy



Original Color
37, 121.640, 304.686

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 49.186, 298.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 121.640, 304.686 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(46, 43, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 43, 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(46, 43, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 43, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 121.640, 304.686 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(46, 43, 255) }
```

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

```
.border{ border-color:rgb(46, 43, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 43, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 43, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 43, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 43,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 121.640, 304.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 43, 255) }
```

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

```
.background{ background-color: rgb(46, 43,  
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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