

Converting Colors

CIELCh(37, 119.083, 303.449)

Have a look what the booklet for
CIELCh(37, 119.083, 303.449)
contains.

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Color

CIELCh(37, 119.169, 303.454)

Conversions

Conversions Part 1

Format	Color
Hex	1831FE
RGB	24, 49, 254
RGB Percent	9%, 19%, 100%
CMY	0.9064, 0.8080, 0.0041
CMYK	0.91, 0.81, 0.00, 0.00
HSL	233°, 99%, 54%
HSV	233°, 91%, 100%
XYZ	19.3509, 9.5379, 94.5458
YIQ	64.8950, -80.7050, 58.4550

Conversions

Conversions Part 2

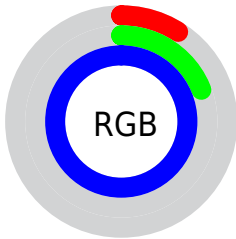
Format	Color
R_{YB}	24, 47, 254
Decimal	1585662
CIE _{Lab}	37.00, 65.69, -99.43
CIE _{LCh}	37, 119.169, 303.454
Yxy	9.5379, 0.1568, 0.0773
Android (android.graphics.Color)	4279775742 (0xFF1831FE)
YUV	64.8950, 93.2288, -35.8649
Hunter-Lab	30.8835, 57.7977, -159.8900

Details

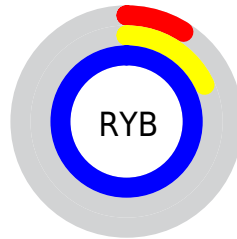
The CIELCh color **37, 119.169, 303.454** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **90, 87.703, 95.951**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 88.703, 302.996**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 127.826, 305.103**, and if you desaturate by 10%, it is **42, 106.733, 301.105**.

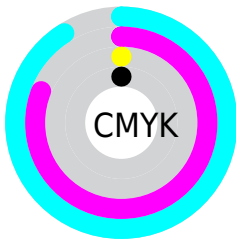
Distribution



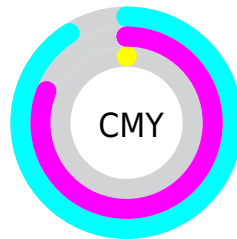
- Red (9%)
- Green (19%)
- Blue (100%)



- Red (9%)
- Yellow (18%)
- Blue (100%)



- Cyan (91%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (81%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 119.169, 303.454 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, 119.169, 303.454 by changing the saturation by 10% instead.


 37, 119.169,
303.454


 37, 119.169,
303.454


 100, 119.169,
303.454


 27, 119.169,
303.454


 57, 119.169,
303.454


 17, 119.169,
303.454


 67, 119.169,
303.454

 7, 119.169,
303.454

 77, 119.169,
303.454

 0, 119.169,
303.454

 87, 119.169,
303.454

 97, 119.169,
303.454

■ 37, 119.169,
303.454

■ 37, 119.169,
303.454

■ 34, 127.826,
305.103

■ 42, 106.733,
301.105

■ 48, 92.665,
298.482

■ 55, 78.237,
295.875

■ 62, 64.075,
293.466

■ 69, 50.400,
291.333

■ 77, 37.255,
289.489

■ 84, 24.616,
287.915

■ 92, 12.444,

286.580

99, 0.701, 285.616

Harmonies

Complementary

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



37, 119.169, 303.454



90, 87.703, 95.951

Rectangle

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



37, 119.169, 303.454



37, 119.169, 353.454



37, 119.169, 123.454



37, 119.169, 173.454

Sweetspot

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



37, 119.171, 303.455



80, 32.760, 288.894



90, 54.729, 181.154



40, 22.218, 289.459



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, 119.171, 303.455



34, 128.241, 305.106



40, 122.712, 309.797



49, 6.685, 286.447



25, 102.285, 304.829



5, 40.661, 299.774

Inverse Universe

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



54, 92.703, 32.132



53, 99.675, 36.277



91, 101.689, 122.885



50, 5.298, 11.165



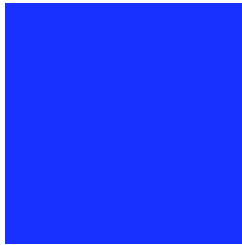
40, 79.543, 35.487



10, 32.540, 22.741

Previews

White Background



This preview shows how the CIELCh color 37, 119.169, 303.454 looks on a white background.

Color Contrast Check

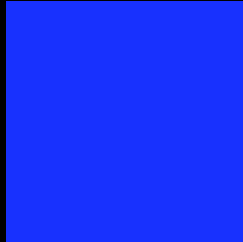
Large Text (above 18pt) WCAG AA ✓ Pass

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, 119.169, 303.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

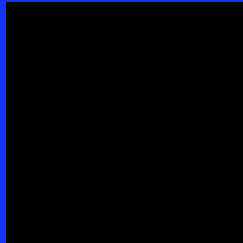
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 119.169, 303.454

Background



This preview shows how black text looks on a background with the CIELCh color 37, 119.169, 303.454.



This preview shows how white text looks on a background with the CIELCh color 37, 119.169,

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, 119.169, 303.454

Protanopia

36, 56.505, 286.039

Deuteranopia

37, 38.630, 271.196

Trichromacy



Original Color
37, 119.169, 303.454

Protanomaly
36, 80.705, 296.122

Deuteranomaly
35, 69.754, 293.046

Monochromacy



Original Color
37, 119.169, 303.454

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 48.131, 295.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 119.169, 303.454 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(24, 49, 254)` looks like.

```
.text, #text, p{  
  color:rgb(24, 49, 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(24, 49, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 49, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 119.169, 303.454 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(24, 49, 254) }
```

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

```
.border{ border-color:rgb(24, 49, 254) }
```

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

Here you see how a box with a 4 pixel rgb(24, 49, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 49, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 49, 254);  
box-shadow:4px 4px 4px 4px rgb(24, 49,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 119.169, 303.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 49, 254) }
```

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

```
.background{ background-color: rgb(24, 49,  
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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