

Converting Colors

CIELCh(31, 117.271, 308.242)

Have a look what the booklet for
CIELCh(31, 117.271, 308.242)
contains.

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Color

CIELCh(31, 117.426, 308.249)

Conversions

Conversions Part 1

Format	Color
Hex	4501E0
RGB	69, 1, 224
RGB Percent	27%, 0%, 88%
CMY	0.7309, 0.9941, 0.1226
CMYK	0.69, 0.99, 0.00, 0.12
HSL	258°, 99%, 44%
HSV	258°, 99%, 88%
XYZ	15.8622, 6.6515, 70.7795
YIQ	46.7540, -31.0550, 83.7690

Conversions

Conversions Part 2

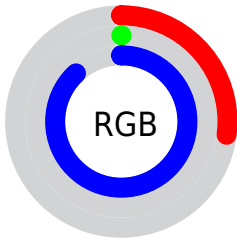
Format	Color
RYB	69, 1, 224
Decimal	4522464
CIELab	31.00, 72.70, -92.22
CIElCh	31, 117.426, 308.249
Yxy	6.6515, 0.1700, 0.0713
Android (android.graphics.Color)	4282712544 (0xFF4501E0)
YUV	46.7540, 87.3823, 19.5097
Hunter-Lab	25.7905, 64.6513, -144.6623

Details

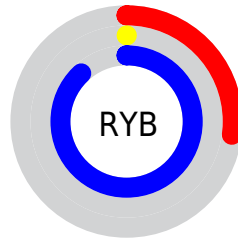
The CIELCh color **31, 117.426, 308.249** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **82, 92.579, 120.093**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 104.126, 309.334**, and **19, 97.469, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 117.768, 308.242**, and if you desaturate by 10%, it is **34, 111.684, 308.400**.

Distribution



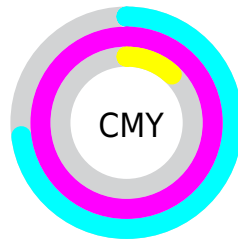
- Red (27%)
- Green (0%)
- Blue (88%)



- Red (27%)
- Yellow (0%)
- Blue (88%)



- Cyan (69%)
- Magenta (99%)
- Yellow (0%)
- Black (12%)





- Cyan (73%)
- Magenta (99%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 117.426, 308.249 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 31, 117.426, 308.249 by changing the saturation by 10% instead.

 31, 117.426,
308.249


 31, 117.426,
308.249


 100, 117.426,
308.249


 21, 117.426,
308.249


 51, 117.426,
308.249


 11, 117.426,
308.249


 61, 117.426,
308.249

 1, 117.426,
308.249

 71, 117.426,
308.249

 0, 117.426,
308.249

 81, 117.426,
308.249

 91, 117.426,
308.249

■ 31, 117.426,
308.249

■ 31, 117.426,
308.249

■ 31, 117.768,
308.242

■ 34, 111.684,
308.400

■ 38, 102.488,
308.090

■ 43, 90.680,
307.411

■ 49, 77.507,
306.542

■ 56, 63.845,
305.614

■ 62, 50.202,
304.709

■ 69, 36.834,
303.866

■ 76, 23.859,

303.106

■ 83, 11.318,
302.429

Harmonies

Complementary

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



31, 117.426, 308.249



82, 92.579, 120.093

Rectangle

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



31, 117.426, 308.249



31, 117.426, 358.249



31, 117.426, 128.249



31, 117.426, 178.249

Sweetspot

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



31, 117.428, 308.250



77, 41.953, 303.938



61, 44.456, 256.483



38, 28.825, 304.289



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 117.428, 308.250



36, 130.115, 308.177



46, 106.555, 320.650



43, 6.904, 302.436



23, 98.231, 308.386



3, 32.327, 303.358

Inverse Universe

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



50, 83.295, 345.186



57, 91.841, 345.484



78, 106.493, 134.748



44, 6.598, 334.985



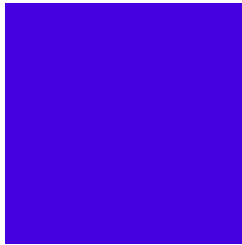
39, 69.837, 344.960



7, 29.342, 341.531

Previews

White Background



This preview shows how the CIE LCh color 31, 117.426, 308.249 looks on a white background.

Color Contrast Check

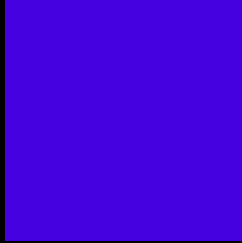
Large Text (above 18pt) WCAG AA ✓ Pass

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 31, 117.426, 308.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

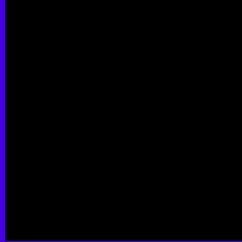
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 117.426, 308.249

Background



This preview shows how black text looks on a background with the CIELCh color 31, 117.426, 308.249.



This preview shows how white text looks on a background with the CIELCh color 31, 117.426, 308.249.

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


31, 117.590, 308.284

Protanopia

32, 50.338, 285.514

Deuteranopia

32, 34.390, 270.417



Tritanopia
32, 21.519, 205.172

Trichromacy



Original Color
31, 117.590, 308.284

Protanomaly
28, 82.169, 300.974

Deuteranomaly
27, 71.881, 298.859

Tritanomaly
25, 54.604, 294.380

Monochromacy



Original Color
31, 117.590, 308.284

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 53.838, 307.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 117.426, 308.249 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(69, 1, 224)` looks like.

```
.text, #text, p{  
    color:rgb(69, 1, 224)  
}
```

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(69, 1, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 1, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 117.426, 308.249 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(69, 1, 224) }
```

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

```
.border{ border-color:rgb(69, 1, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 1, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 1, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 1, 224);  
box-shadow:4px 4px 4px 4px rgb(69, 1, 224)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 117.426, 308.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 1, 224) }
```

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

```
.background{ background-color: rgb(69, 1,  
224) }
```

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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