

Converting Colors

CIELCh(31, 118.480, 307.330)

Have a look what the booklet for
CIELCh(31, 118.480, 307.330)
contains.

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Color

CIELCh(31, 118.310, 307.334)

Conversions

Conversions Part 1

Format	Color
Hex	3A0AE3
RGB	58, 10, 227
RGB Percent	23%, 4%, 89%
CMY	0.7730, 0.9614, 0.1101
CMYK	0.74, 0.96, 0.00, 0.11
HSL	253°, 92%, 46%
HSV	253°, 96%, 89%
XYZ	15.6993, 6.6515, 73.0737
YIQ	49.0900, -41.0490, 77.6630

Conversions

Conversions Part 2

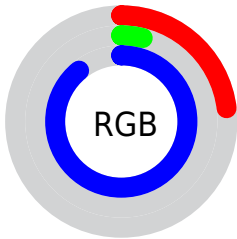
Format	Color
R _Y B	58, 10, 227
Decimal	3803875
CIE Lab	31.00, 71.75, -94.07
CIE LCh	31, 118.310, 307.334
Yxy	6.6515, 0.1645, 0.0697
Android (android.graphics.Color)	4281993955 (0xFF3A0AE3)
YUV	49.0900, 87.7096, 7.8141
Hunter-Lab	25.7905, 63.5236, -149.9364

Details

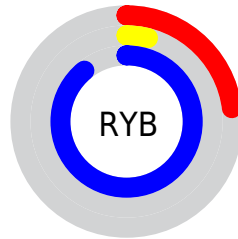
The CIELCh color **31, 118.310, 307.334** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **84, 90.593, 115.665**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 102.922, 308.119**, and **20, 98.759, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 120.509, 307.354**, and if you desaturate by 10%, it is **34, 111.119, 307.080**.

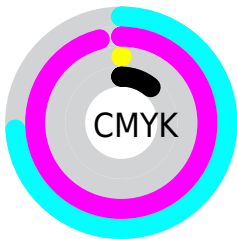
Distribution



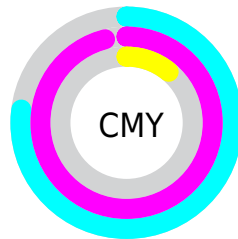
- Red (23%)
- Green (4%)
- Blue (89%)



- Red (23%)
- Yellow (4%)
- Blue (89%)



- Cyan (74%)
- Magenta (96%)
- Yellow (0%)
- Black (11%)





- Cyan (77%)
- Magenta (96%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 118.310, 307.334 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, 118.310, 307.334 by changing the saturation by 10% instead.


 31, 118.310,
307.334


 31, 118.310,
307.334


 100, 118.310,
307.334


 21, 118.310,
307.334


 51, 118.310,
307.334


 11, 118.310,
307.334


 61, 118.310,
307.334

 1, 118.310,
307.334

 71, 118.310,
307.334

 0, 118.310,
307.334

 81, 118.310,
307.334

 91, 118.310,
307.334

■ 31, 118.310,
307.334

■ 31, 118.310,
307.334

■ 30, 120.509,
307.354

■ 34, 111.119,
307.080

■ 39, 100.255,
306.305

■ 45, 87.242,
305.227

■ 51, 73.342,
304.040

■ 58, 59.310,
302.869

■ 65, 45.528,
301.781

■ 72, 32.160,
300.804

■ 79, 19.263,

299.943

■ 86, 6.843, 299.191

Harmonies

Complementary

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



31, 118.310, 307.334



84, 90.593, 115.665

Rectangle

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



31, 118.310, 307.334



31, 118.310, 357.334



31, 118.310, 127.334



31, 118.310, 177.334

Sweetspot

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



31, 118.312, 307.335



77, 40.207, 301.135



68, 40.250, 238.007



38, 27.809, 301.558



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, 118.312, 307.335



34, 131.704, 307.309



44, 108.108, 318.048



43, 6.839, 299.463



22, 99.467, 307.475



3, 32.064, 301.159

Inverse Universe

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



52, 88.833, 339.123



57, 97.111, 339.767



80, 104.783, 133.316



44, 6.990, 331.857



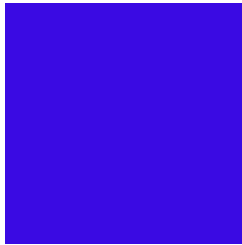
40, 73.794, 339.437



7, 30.931, 337.234

Previews

White Background



This preview shows how the CIELCh color 31, 118.310, 307.334 looks on a white background.

Color Contrast Check

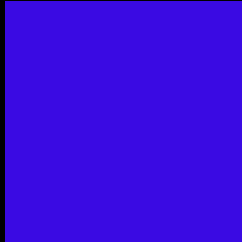
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.310, 307.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

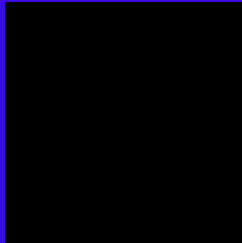
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 118.310, 307.334

Background



This preview shows how black text looks on a background with the CIELCh color 31, 118.310, 307.334.



This preview shows how white text looks on a background with the CIELCh color 31, 118.310, 307.334.

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, 118.310, 307.334

Protanopia

31, 49.821, 285.488

Deuteranopia

31, 33.856, 270.103



Tritanopia
31, 21.429, 203.451

Trichromacy



Original Color
31, 118.310, 307.334

Protanomaly
28, 80.394, 300.053

Deuteranomaly
27, 70.628, 297.973

Tritanomaly
26, 52.576, 292.427

Monochromacy



Original Color
31, 118.310, 307.334

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 52.498, 305.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 118.310, 307.334 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(58, 10, 227)` looks like.

```
.text, #text, p{  
    color:rgb(58, 10, 227)  
}
```

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(58, 10, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 10, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 118.310, 307.334 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(58, 10, 227) }
```

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

```
.border{ border-color:rgb(58, 10, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 10, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 10, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 10, 227);  
box-shadow:4px 4px 4px 4px rgb(58, 10,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 118.310, 307.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 10, 227) }
```

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

```
.background{ background-color: rgb(58, 10,  
227) }
```

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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