

Converting Colors

CIELCh(31, 124.183, 305.834)

Have a look what the booklet for
CIELCh(31, 124.183, 305.834)
contains.

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Color

CIELCh(31, 124.099, 305.859)

Conversions

Conversions Part 1

Format	Color
Hex	100FEE
RGB	16, 15, 238
RGB Percent	6%, 6%, 93%
CMY	0.9362, 0.9398, 0.0657
CMYK	0.93, 0.94, 0.00, 0.07
HSL	240°, 88%, 50%
HSV	240°, 94%, 93%
XYZ	15.8622, 6.6515, 81.5273
YIQ	40.7210, -70.9870, 69.5650

Conversions

Conversions Part 2

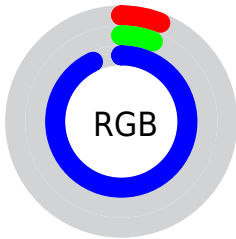
Format	Color
R _Y B	16, 15, 238
Decimal	1052654
CIE Lab	31.00, 72.70, -100.58
CIE LCh	31, 124.099, 305.859
Yxy	6.6515, 0.1525, 0.0639
Android (android.graphics.Color)	4279242734 (0xFF100FEE)
YUV	40.7210, 97.2585, -21.6803
Hunter-Lab	25.7905, 64.6515, -169.3704

Details

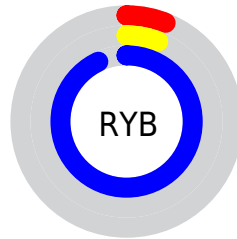
The CIELCh color **31, 124.099, 305.859** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **91, 90.846, 103.188**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 102.996, 306.188**, and **21, 103.029, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 127.088, 306.296**, and if you desaturate by 10%, it is **34, 115.746, 304.634**.

Distribution



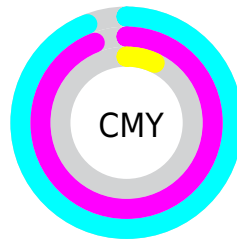
- Red (6%)
- Green (6%)
- Blue (93%)



- Red (6%)
- Yellow (6%)
- Blue (93%)



- Cyan (93%)
- Magenta (94%)
- Yellow (0%)
- Black (7%)





- Cyan (94%)
- Magenta (94%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 124.099, 305.859 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, 124.099, 305.859 by changing the saturation by 10% instead.


 31, 124.099,
305.859


 31, 124.099,
305.859


 100, 124.099,
305.859


 21, 124.099,
305.859


 51, 124.099,
305.859


 11, 124.099,
305.859


 61, 124.099,
305.859

 1, 124.099,
305.859

 71, 124.099,
305.859

 0, 124.099,
305.859

 81, 124.099,
305.859

 91, 124.099,
305.859

■ 31, 124.099,
305.859

■ 31, 124.099,
305.859

■ 30, 127.088,
306.296

■ 34, 115.746,
304.634

■ 39, 103.170,
302.757

■ 46, 88.527,
300.577

■ 53, 73.369,
298.393

■ 60, 58.459,
296.380

■ 68, 44.076,
294.607

■ 76, 30.286,
293.084

■ 84, 17.074,

291.790

■ 91, 4.401, 290.704

Harmonies

Complementary

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



31, 124.099, 305.859



91, 90.846, 103.188

Rectangle

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



31, 124.099, 305.859



31, 124.099, 355.859



31, 124.099, 125.859



31, 124.099, 175.859

Sweetspot

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



31, 124.102, 305.860



77, 38.402, 293.746



86, 47.245, 196.408



37, 26.760, 294.423



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, 124.102, 305.860



32, 133.798, 306.295



40, 115.954, 312.143



46, 7.132, 291.321



22, 104.534, 306.299



3, 37.819, 298.846

Inverse Universe

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



57, 108.274, 328.353



60, 115.189, 328.399



85, 101.638, 127.556



47, 8.584, 325.053



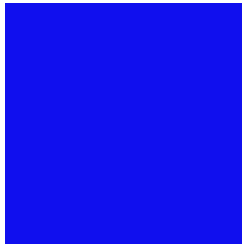
44, 90.008, 328.396



10, 39.310, 328.373

Previews

White Background



This preview shows how the CIELCh color 31, 124.099, 305.859 looks on a white background.

Color Contrast Check

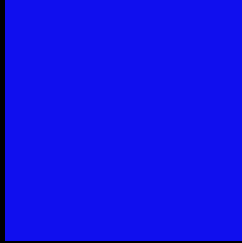
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.099, 305.859 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, 124.099, 305.859

Background



This preview shows how black text looks on a background with the CIELCh color 31, 124.099, 305.859.



This preview shows how white text looks on a background with the CIELCh color 31, 124.099, 305.859.

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, 124.076, 305.872

Protanopia

31, 49.237, 285.162

Deuteranopia

31, 33.848, 270.504



Tritanopia
31, 21.246, 203.527

Trichromacy



Original Color
31, 124.076, 305.872

Protanomaly
29, 81.516, 299.342

Deuteranomaly
28, 71.848, 297.297

Tritanomaly
26, 54.462, 291.572

Monochromacy



Original Color
31, 124.076, 305.872

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 54.566, 301.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 124.099, 305.859 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(16, 15, 238)` looks like.

```
.text, #text, p{  
    color:rgb(16, 15, 238)  
}
```

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(16, 15, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 15, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 124.099, 305.859 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(16, 15, 238) }
```

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

```
.border{ border-color:rgb(16, 15, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 15, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 15, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 15, 238);  
box-shadow:4px 4px 4px 4px rgb(16, 15,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 124.099, 305.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 15, 238) }
```

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

```
.background{ background-color: rgb(16, 15,  
238) }
```

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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