

Converting Colors

CIELCh(31, 124.015, 306.422)

Have a look what the booklet for
CIELCh(31, 124.015, 306.422)
contains.

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Color

CIELCh(31, 123.985, 306.414)

Conversions

Conversions Part 1

Format	Color
Hex	220AED
RGB	34, 10, 237
RGB Percent	13%, 4%, 93%
CMY	0.8680, 0.9619, 0.0711
CMYK	0.86, 0.96, 0.00, 0.07
HSL	246°, 92%, 48%
HSV	246°, 96%, 93%
XYZ	16.0189, 6.6515, 80.4538
YIQ	43.0540, -58.5630, 75.6850

Conversions

Conversions Part 2

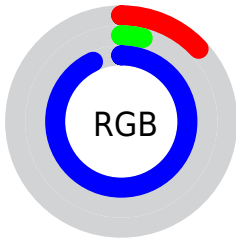
Format	Color
R_{YB}	34, 10, 237
Decimal	2231021
CIE _{Lab}	31.00, 73.60, -99.78
CIE _{LCh}	31, 123.985, 306.414
Yxy	6.6515, 0.1553, 0.0645
Android (android.graphics.Color)	4280421101 (0xFF220AED)
YUV	43.0540, 95.6154, -7.9404
Hunter-Lab	25.7905, 65.7356, -166.9025

Details

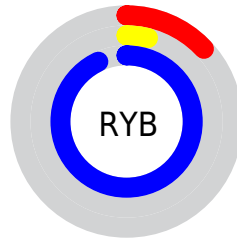
The CIELCh color **31, 123.985, 306.414** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **89, 91.596, 109.220**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 103.794, 307.132**, and **21, 102.604, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 125.950, 306.579**, and if you desaturate by 10%, it is **34, 116.680, 305.753**.

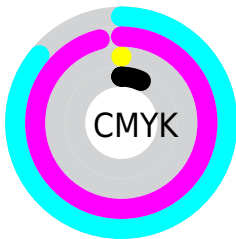
Distribution



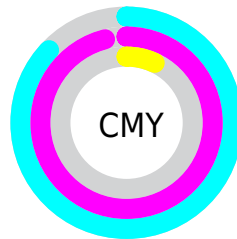
- Red (13%)
- Green (4%)
- Blue (93%)



- Red (13%)
- Yellow (4%)
- Blue (93%)



- Cyan (86%)
- Magenta (96%)
- Yellow (0%)
- Black (7%)





- Cyan (87%)
- Magenta (96%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 123.985, 306.414 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, 123.985, 306.414 by changing the saturation by 10% instead.


 31, 123.985,
306.414


 31, 123.985,
306.414


 100, 123.985,
306.414


 21, 123.985,
306.414


 51, 123.985,
306.414


 11, 123.985,
306.414


 61, 123.985,
306.414

 1, 123.985,
306.414

 71, 123.985,
306.414

 0, 123.985,
306.414

 81, 123.985,
306.414

 91, 123.985,
306.414

■ 31, 123.985,
306.414

■ 31, 123.985,
306.414

■ 30, 125.950,
306.579

■ 34, 116.680,
305.753

■ 39, 105.107,
304.481

■ 45, 91.160,
302.874

■ 52, 76.376,
301.187

■ 59, 61.608,
299.580

■ 67, 47.232,
298.127

■ 74, 33.381,
296.853

■ 82, 20.078,

295.753

■ 89, 7.306, 294.811

Harmonies

Complementary

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



31, 123.985, 306.414



89, 91.596, 109.220

Rectangle

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



31, 123.985, 306.414



31, 123.985, 356.414



31, 123.985, 126.414



31, 123.985, 176.414

Sweetspot

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



31, 123.987, 306.415



77, 39.950, 297.244



79, 42.073, 213.777



37, 27.655, 297.792



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, 123.987, 306.415



33, 133.216, 306.564



42, 114.180, 314.532



45, 7.030, 295.130



22, 102.874, 306.647



3, 35.971, 300.237

Inverse Universe

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



55, 100.108, 332.798



59, 106.229, 333.031



84, 105.197, 130.791



46, 7.868, 327.961



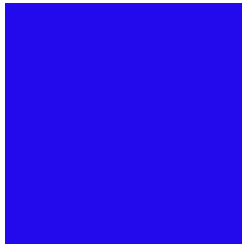
42, 82.287, 332.919



9, 35.664, 332.165

Previews

White Background



This preview shows how the CIE LCh color 31, 123.985, 306.414 looks on a white background.

Color Contrast Check

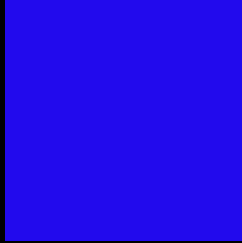
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123.985, 306.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

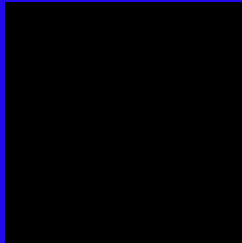
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 123.985, 306.414

Background



This preview shows how black text looks on a background with the CIELCh color 31, 123.985, 306.414.



This preview shows how white text looks on a background with the CIELCh color 31, 123.985,

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, 123.985, 306.414

Protanopia

31, 49.237, 285.162

Deuteranopia

31, 33.856, 270.103



Tritanopia
31, 21.246, 203.527

Trichromacy



Original Color
31, 123.985, 306.414

Protanomaly
28, 82.164, 299.928

Deuteranomaly
28, 72.455, 297.834

Tritanomaly
26, 55.195, 292.741

Monochromacy



Original Color
31, 123.985, 306.414

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 54.951, 303.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 123.985, 306.414 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(34, 10, 237)` looks like.

```
.text, #text, p{  
    color:rgb(34, 10, 237)  
}
```

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(34, 10, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 10, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 123.985, 306.414 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(34, 10, 237) }
```

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

```
.border{ border-color:rgb(34, 10, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 10, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 10, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 10, 237);  
box-shadow:4px 4px 4px 4px rgb(34, 10,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 123.985, 306.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 10, 237) }
```

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

```
.background{ background-color: rgb(34, 10,  
237) }
```

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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