

Converting Colors

CIELCh(30, 115.301, 304.830)

Have a look what the booklet for
CIELCh(30, 115.301, 304.830)
contains.

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Color

CIELCh(30, 115.335, 304.829)

Conversions

Conversions Part 1

Format	Color
Hex	031BE1
RGB	3, 27, 225
RGB Percent	1%, 11%, 88%
CMY	0.9886, 0.8943, 0.1177
CMYK	0.99, 0.88, 0.00, 0.12
HSL	234°, 97%, 45%
HSV	234°, 99%, 88%
XYZ	14.0141, 6.2359, 71.6803
YIQ	42.3960, -77.8620, 56.4900

Conversions

Conversions Part 2

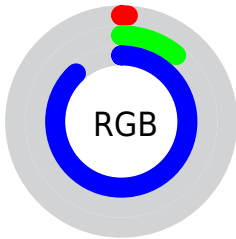
Format	Color
R _Y B	3, 25, 225
Decimal	203745
CIE Lab	30.00, 65.87, -94.67
CIE LCh	30, 115.335, 304.829
Yxy	6.2359, 0.1524, 0.0678
Android (android.graphics.Color)	4278393825 (0xFF031BE1)
YUV	42.3960, 90.0238, -34.5503
Hunter-Lab	24.9718, 56.4731, -152.7088

Details

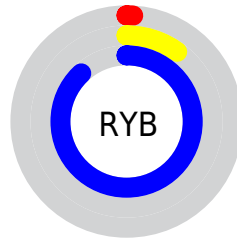
The CIELCh color **30, 115.335, 304.829** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **81, 81.452, 95.369**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 100.518, 304.828**, and **19, 97.899, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 116.262, 305.011**, and if you desaturate by 10%, it is **33, 106.217, 302.934**.

Distribution



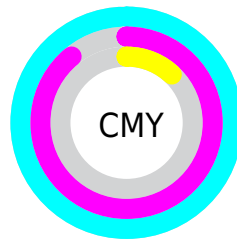
- Red (1%)
- Green (11%)
- Blue (88%)



- Red (1%)
- Yellow (10%)
- Blue (88%)



- Cyan (99%)
- Magenta (88%)
- Yellow (0%)
- Black (12%)





- Cyan (99%)
- Magenta (89%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 115.335, 304.829 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 30, 115.335, 304.829 by changing the saturation by 10% instead.


 30, 115.335,
304.829


 30, 115.335,
304.829


 100, 115.335,
304.829


 20, 115.335,
304.829


 50, 115.335,
304.829


 10, 115.335,
304.829

 60, 115.335,
304.829

 0, 115.335,
304.829

 70, 115.335,
304.829

 80, 115.335,
304.829

 90, 115.335,
304.829

■ 30, 115.335,
304.829

■ 30, 115.335,
304.829

■ 30, 116.262,
305.011

■ 33, 106.217,
302.934

■ 38, 94.442,
300.506

■ 44, 81.526,
297.885

■ 50, 68.461,
295.332

■ 56, 55.703,
292.998

■ 63, 43.402,
290.943

■ 70, 31.577,
289.172

■ 77, 20.201,

287.661

■ 84, 9.240, 286.378

Harmonies

Complementary

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



30, 115.335, 304.829



81, 81.452, 95.369

Rectangle

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



30, 115.335, 304.829



30, 115.335, 354.829



30, 115.335, 124.829



30, 115.335, 174.829

Sweetspot

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



30, 115.337, 304.830



77, 36.636, 289.421



81, 50.962, 180.167



38, 25.198, 290.157



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 115.337, 304.830



34, 128.294, 305.118



33, 115.866, 309.491



43, 6.023, 286.466



22, 95.841, 304.741



3, 29.263, 293.525

Inverse Universe

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



47, 89.580, 35.514



53, 99.716, 36.311



82, 95.249, 123.715



44, 4.767, 11.207



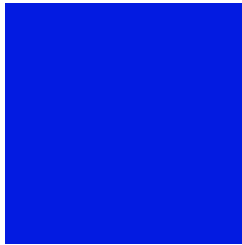
37, 74.553, 35.240



6, 25.336, 16.371

Previews

White Background



This preview shows how the CIELCh color 30, 115.335, 304.829 looks on a white background.

Color Contrast Check

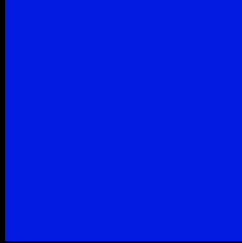
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 115.335, 304.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

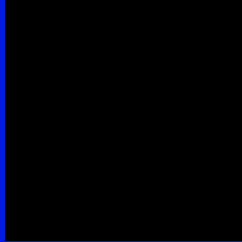
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 115.335, 304.829

Background



This preview shows how black text looks on a background with the CIELCh color 30, 115.335, 304.829.



This preview shows how white text looks on a background with the CIELCh color 30, 115.335, 304.829.

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

30, 115.335, 304.829

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.988, 201.826

Trichromacy



Original Color
30, 115.335, 304.829

Protanomaly
28, 75.849, 297.899

Deuteranomaly
28, 65.838, 295.114

Tritanomaly
27, 48.243, 287.645

Monochromacy



Original Color
30, 115.335, 304.829

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 48.718, 298.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 115.335, 304.829 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(3, 27, 225)` looks like.

```
.text, #text, p{  
    color:rgb(3, 27, 225)  
}
```

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(3, 27, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 27, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 115.335, 304.829 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(3, 27, 225) }
```

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

```
.border{ border-color:rgb(3, 27, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 27, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 27, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 27, 225);  
box-shadow:4px 4px 4px 4px rgb(3, 27, 225)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 115.335, 304.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 27, 225) }
```

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

```
.background{ background-color: rgb(3, 27,  
225) }
```

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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