

Converting Colors

CIELCh(29, 120.446, 305.815)

Have a look what the booklet for
CIELCh(29, 120.446, 305.815)
contains.

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Color

CIELCh(29, 120.326, 305.813)

Conversions

Conversions Part 1

Format	Color
Hex	030CE3
RGB	3, 12, 227
RGB Percent	1%, 5%, 89%
CMY	0.9889, 0.9523, 0.1093
CMYK	0.99, 0.95, 0.00, 0.11
HSL	238°, 98%, 45%
HSV	238°, 99%, 89%
XYZ	14.0502, 5.8380, 73.1462
YIQ	33.8190, -74.3790, 64.9570

Conversions

Conversions Part 2

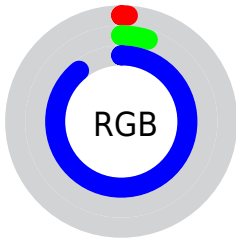
Format	Color
RYB	3, 12, 227
Decimal	199907
CIELab	29.00, 70.41, -97.58
CIELCh	29, 120.326, 305.813
Yxy	5.8380, 0.1510, 0.0628
Android (android.graphics.Color)	4278389987 (0xFF030CE3)
YUV	33.8190, 95.2382, -27.0283
Hunter-Lab	24.1619, 61.5142, -162.5772

Details

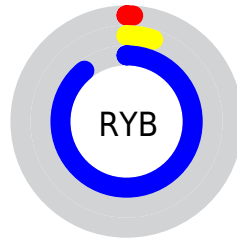
The CIELCh color **29, 120.326, 305.813** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **85, 85.874, 100.168**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 104.771, 306.010**, and **20, 98.759, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 120.888, 305.901**, and if you desaturate by 10%, it is **32, 113.231, 304.573**.

Distribution



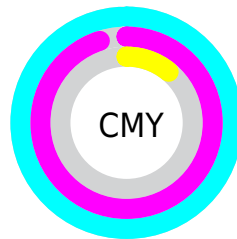
- Red (1%)
- Green (5%)
- Blue (89%)



- Red (1%)
- Yellow (5%)
- Blue (89%)



- Cyan (99%)
- Magenta (95%)
- Yellow (0%)
- Black (11%)





- Cyan (99%)
- Magenta (95%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 120.326, 305.813 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 29, 120.326, 305.813 by changing the saturation by 10% instead.


 29, 120.326,
305.813


 29, 120.326,
305.813


 100, 120.326,
305.813


 19, 120.326,
305.813


 49, 120.326,
305.813


 9, 120.326,
305.813


 59, 120.326,
305.813

 0, 120.326,
305.813

 69, 120.326,
305.813

 79, 120.326,
305.813

 89, 120.326,
305.813

 99, 120.326,

305.813

■ 29, 120.326,
305.813

■ 29, 120.326,
305.813

■ 29, 120.888,
305.901

■ 32, 113.231,
304.573

■ 36, 102.068,
302.629

■ 42, 88.698,
300.319

■ 48, 74.653,
297.958

■ 55, 60.742,
295.748

■ 62, 47.283,
293.783

■ 69, 34.358,
292.082

■ 77, 21.960,
290.631

■ 84, 10.055,
289.402

Harmonies

Complementary

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



29, 120.326, 305.813



85, 85.874, 100.168

Rectangle

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



29, 120.326, 305.813



29, 120.326, 355.813



29, 120.326, 125.813



29, 120.326, 175.813

Sweetspot

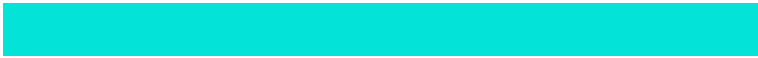
The Sweet Spot groups the original color and five complimentary colors.



29, 120.329, 305.814



76, 39.496, 292.311



82, 47.802, 188.995



37, 27.185, 293.016



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



29, 120.329, 305.814



33, 132.196, 305.953



35, 115.165, 310.738



44, 6.589, 289.482



22, 100.471, 305.766



3, 32.702, 295.973

Inverse Universe

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



48, 93.534, 38.440



53, 102.989, 38.876



82, 98.113, 126.372



45, 4.818, 16.568



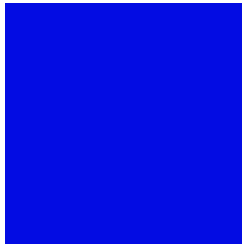
37, 78.186, 38.275



6, 26.971, 20.044

Previews

White Background



This preview shows how the CIE LCh color 29, 120.326, 305.813 looks on a white background.

Color Contrast Check

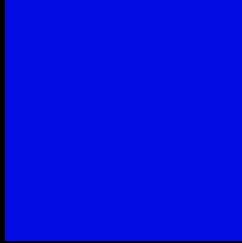
Large Text (above 18pt) WCAG AA ✓ Pass

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 29, 120.326, 305.813 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 29, 120.326, 305.813

Background



This preview shows how black text looks on a background with the CIELCh color 29, 120.326, 305.813.



This preview shows how white text looks on a background with the CIELCh color 29, 120.326, 305.813.

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


29, 120.307, 305.823

Protanopia

29, 47.153, 285.031

Deuteranopia

29, 32.757, 270.687



Tritanopia
29, 20.619, 201.948

Trichromacy



Original Color
29, 120.307, 305.823

Protanomaly
27, 79.180, 299.473

Deuteranomaly
26, 69.343, 297.125

Tritanomaly
24, 52.482, 291.442

Monochromacy



Original Color
29, 120.307, 305.823

Achromatopsia
13, 0.003, 296.813

Achromatomaly
15, 53.525, 301.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 120.326, 305.813 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, 12, 227)` looks like.

```
.text, #text, p{  
    color:rgb(3, 12, 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(3, 12, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 12, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 120.326, 305.813 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, 12, 227) }
```

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

```
.border{ border-color:rgb(3, 12, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 12, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 12, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 12, 227);  
box-shadow:4px 4px 4px 4px rgb(3, 12, 227)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 120.326, 305.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 12, 227) }
```

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

```
.background{ background-color: rgb(3, 12,  
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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