

Converting Colors

CIELCh(29, 124.475, 306.497)

Have a look what the booklet for
CIELCh(29, 124.475, 306.497)
contains.

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Color

CIELCh(29, 123.917, 306.415)

Conversions

Conversions Part 1

Format	Color
Hex	0C00E7
RGB	12, 0, 231
RGB Percent	5%, 0%, 91%
CMY	0.9517, 1.0000, 0.0946
CMYK	0.95, 1.00, 0.00, 0.09
HSL	243°, 100%, 45%
HSV	243°, 100%, 91%
XYZ	14.5589, 5.8380, 75.8661
YIQ	29.9220, -66.9990, 74.3850

Conversions

Conversions Part 2

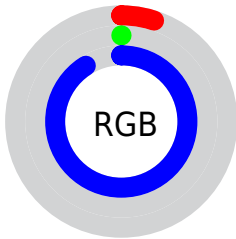
Format	Color
R_{YB}	12, 0, 231
Decimal	786663
CIE Lab	29.00, 73.56, -99.72
CIE LCh	29, 123.917, 306.415
Yxy	5.8380, 0.1512, 0.0606
Android (android.graphics.Color)	4278976743 (0xFF0C00E7)
YUV	29.9220, 99.1315, -15.7176
Hunter-Lab	24.1619, 65.2725, -169.2513

Details

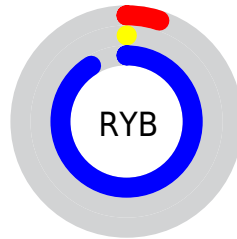
The CIELCh color **29, 123.917, 306.415** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **88, 90.096, 106.189**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.673, 306.810**, and **20, 100.044, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 123.880, 306.408**, and if you desaturate by 10%, it is **31, 118.392, 305.747**.

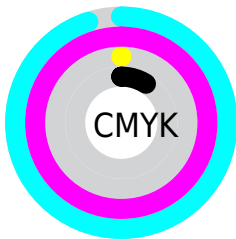
Distribution



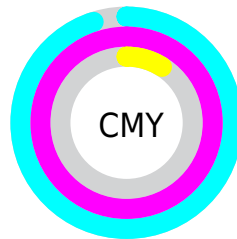
- Red (5%)
- Green (0%)
- Blue (91%)



- Red (5%)
- Yellow (0%)
- Blue (91%)



- Cyan (95%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)





- Cyan (95%)
- Magenta (100%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 123.917, 306.415 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, 123.917, 306.415 by changing the saturation by 10% instead.


 29, 123.917,
306.415


 29, 123.917,
306.415


 100, 123.917,
306.415


 19, 123.917,
306.415


 49, 123.917,
306.415


 9, 123.917,
306.415


 59, 123.917,
306.415

 0, 123.917,
306.415

 69, 123.917,
306.415

 79, 123.917,
306.415

 89, 123.917,
306.415

 99, 123.917,

306.415

■ 29, 123.917,
306.415

■ 29, 123.917,
306.415

■ 29, 123.880,
306.408

■ 31, 118.392,
305.747

■ 35, 108.470,
304.462

■ 41, 95.353,
302.693

■ 47, 80.898,
300.752

■ 54, 66.250,
298.864

■ 62, 51.933,
297.145

■ 69, 38.136,
295.635

■ 77, 24.897,
294.335

■ 84, 12.200,
293.227

Harmonies

Complementary

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



29, 123.917, 306.415



88, 90.096, 106.189

Rectangle

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



29, 123.917, 306.415



29, 123.917, 356.415



29, 123.917, 126.415



29, 123.917, 176.415

Sweetspot

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



29, 123.880, 306.408



76, 41.352, 295.658



80, 43.458, 204.811



37, 28.466, 296.274



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, 123.880, 306.408



33, 133.579, 306.395



38, 114.667, 312.934



44, 6.888, 293.171



21, 102.117, 306.451



2, 33.771, 298.055

Inverse Universe

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



54, 102.745, 330.508



60, 110.740, 330.521



82, 103.044, 129.828



45, 8.010, 326.414



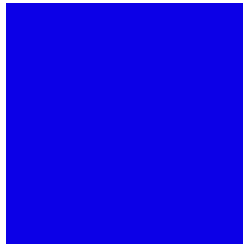
42, 84.814, 330.468



8, 35.821, 330.107

Previews

White Background



This preview shows how the CIE LCh color 29, 123.917, 306.415 looks on a white background.

Color Contrast Check

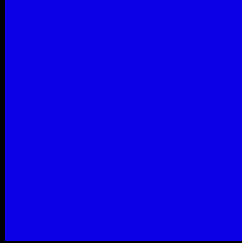
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123.917, 306.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

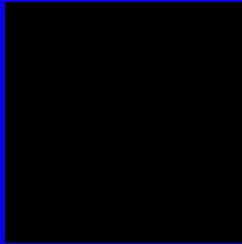
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 123.917, 306.415

Background



This preview shows how black text looks on a background with the CIELCh color 29, 123.917, 306.415.



This preview shows how white text looks on a background with the CIELCh color 29, 123.917, 306.415.

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, 123.939, 306.404

Protanopia

30, 47.676, 285.065

Deuteranopia

29, 32.765, 270.269



Tritanopia
30, 20.804, 201.886

Trichromacy



Original Color
29, 123.939, 306.404

Protanomaly
26, 82.721, 300.702

Deuteranomaly
25, 73.115, 298.738

Tritanomaly
24, 55.771, 293.619

Monochromacy



Original Color
29, 123.939, 306.404

Achromatopsia
11, 0.003, 296.813

Achromatomaly
13, 57.399, 303.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 123.917, 306.415 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(12, 0, 231)` looks like.

```
.text, #text, p{  
    color:rgb(12, 0, 231)  
}
```

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(12, 0, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 0, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 123.917, 306.415 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(12, 0, 231) }
```

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

```
.border{ border-color:rgb(12, 0, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 0, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 0, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 0, 231);  
box-shadow:4px 4px 4px 4px rgb(12, 0, 231)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 123.917, 306.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 0, 231) }
```

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

```
.background{ background-color: rgb(12, 0,  
231) }
```

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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