

Converting Colors

CIELCh(29, 123.242, 306.215)

Have a look what the booklet for
CIELCh(29, 123.242, 306.215)
contains.

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Color

CIELCh(29, 123.115, 306.227)

Conversions

Conversions Part 1

Format	Color
Hex	0703E6
RGB	7, 3, 230
RGB Percent	3%, 1%, 90%
CMY	0.9722, 0.9873, 0.0974
CMYK	0.97, 0.99, 0.00, 0.10
HSL	241°, 97%, 46%
HSV	241°, 99%, 90%
XYZ	14.4284, 5.8380, 75.3459
YIQ	30.0740, -70.4830, 71.4450

Conversions

Conversions Part 2

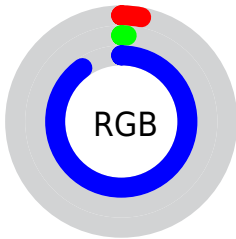
Format	Color
RYB	7, 3, 230
Decimal	459750
CIELab	29.00, 72.76, -99.31
CIElCh	29, 123.115, 306.227
Yxy	5.8380, 0.1509, 0.0611
Android (android.graphics.Color)	4278649830 (0xFF0703E6)
YUV	30.0740, 98.5635, -20.2359
Hunter-Lab	24.1619, 64.3086, -167.9750

Details

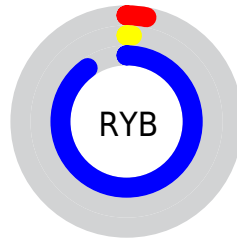
The CIELCh color **29, 123.115, 306.227** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **88, 89.452, 103.927**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.218, 306.587**, and **20, 100.044, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 123.758, 306.325**, and if you desaturate by 10%, it is **31, 117.272, 305.394**.

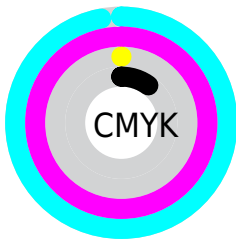
Distribution



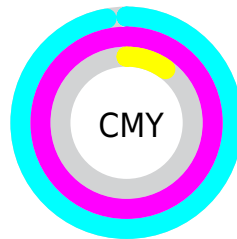
- Red (3%)
- Green (1%)
- Blue (90%)



- Red (3%)
- Yellow (1%)
- Blue (90%)



- Cyan (97%)
- Magenta (99%)
- Yellow (0%)
- Black (10%)





- Cyan (97%)
- Magenta (99%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 123.115, 306.227 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, 123.115, 306.227 by changing the saturation by 10% instead.


 29, 123.115,
306.227


 29, 123.115,
306.227


 100, 123.115,
306.227


 19, 123.115,
306.227


 49, 123.115,
306.227


 9, 123.115,
306.227


 59, 123.115,
306.227

 0, 123.115,
306.227

 69, 123.115,
306.227

 79, 123.115,
306.227

 89, 123.115,
306.227

 99, 123.115,

306.227

■ 29, 123.115,
306.227

■ 29, 123.115,
306.227

■ 29, 123.758,
306.325

■ 31, 117.272,
305.394

■ 35, 106.784,
303.856

■ 41, 93.316,
301.853

■ 48, 78.720,
299.716

■ 55, 64.068,
297.673

■ 62, 49.823,
295.835

■ 70, 36.130,
294.236

■ 77, 23.006,
292.869

■ 85, 10.423,
291.709

Harmonies

Complementary

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



29, 123.115, 306.227



88, 89.452, 103.927

Rectangle

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



29, 123.115, 306.227



29, 123.115, 356.227



29, 123.115, 126.227



29, 123.115, 176.227

Sweetspot

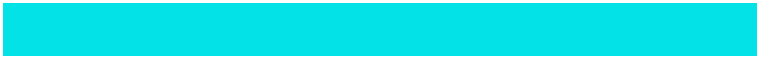
The Sweet Spot groups the original color and five complimentary colors.



29, 123.118, 306.228



75, 41.328, 294.472



82, 45.222, 199.021



37, 28.454, 295.136



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, 123.118, 306.228



32, 133.742, 306.321



38, 114.645, 312.212



44, 6.882, 291.801



21, 102.303, 306.339



2, 33.705, 297.183

Inverse Universe

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



54, 105.290, 328.911



60, 114.012, 328.931



82, 101.249, 128.661



45, 8.211, 325.398



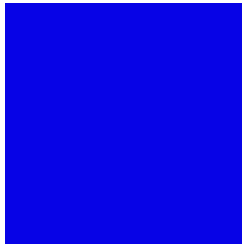
42, 87.264, 328.916



8, 36.694, 328.809

Previews

White Background



This preview shows how the CIE LCh color 29, 123.115, 306.227 looks on a white background.

Color Contrast Check

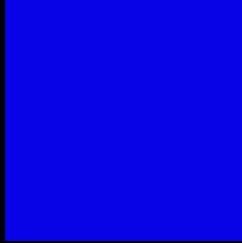
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123.115, 306.227 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, 123.115, 306.227

Background



This preview shows how black text looks on a background with the CIELCh color 29, 123.115, 306.227.



This preview shows how white text looks on a background with the CIELCh color 29, 123.115,

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, 123.095, 306.237

Protanopia

29, 47.743, 285.376

Deuteranopia

29, 32.235, 269.510



Tritanopia
29, 20.511, 203.848

Trichromacy



Original Color
29, 123.095, 306.237

Protanomaly
26, 81.582, 300.366

Deuteranomaly
25, 71.901, 298.292

Tritanomaly
24, 55.781, 293.553

Monochromacy



Original Color
29, 123.095, 306.237

Achromatopsia
11, 0.003, 296.813

Achromatomaly
14, 56.882, 303.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 123.115, 306.227 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(7, 3, 230)` looks like.

```
.text, #text, p{  
    color:rgb(7, 3, 230)  
}
```

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(7, 3, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 3, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 123.115, 306.227 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(7, 3, 230) }
```

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

```
.border{ border-color:rgb(7, 3, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 3, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 3, 230); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 3, 230); box-shadow:4px  
4px 4px 4px rgb(7, 3, 230) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 123.115, 306.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 3, 230) }
```

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

```
.background{ background-color: rgb(7, 3,  
230) }
```

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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