

Converting Colors

CIELCh(29, 116.644, 305.399)

Have a look what the booklet for
CIELCh(29, 116.644, 305.399)
contains.

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Color

CIELCh(29, 116.621, 305.379)

Conversions

Conversions Part 1

Format	Color
Hex	0514DF
RGB	5, 20, 223
RGB Percent	2%, 8%, 87%
CMY	0.9813, 0.9226, 0.1263
CMYK	0.98, 0.91, 0.00, 0.13
HSL	236°, 96%, 45%
HSV	236°, 98%, 87%
XYZ	13.5950, 5.8380, 70.0706
YIQ	38.6570, -74.1030, 59.9530

Conversions

Conversions Part 2

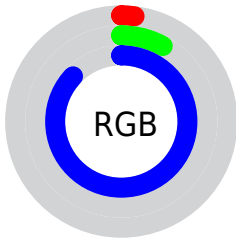
Format	Color
R_{YB}	5, 19, 223
Decimal	333023
CIE _{Lab}	29.00, 67.52, -95.09
CIE _{LCh}	29, 116.621, 305.379
Yxy	5.8380, 0.1519, 0.0652
Android (android.graphics.Color)	4278523103 (0xFF0514DF)
YUV	38.6570, 90.8811, -29.5172
Hunter-Lab	24.1619, 58.1516, -155.0300

Details

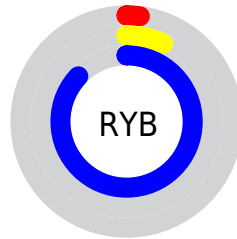
The CIELCh color **29, 116.621, 305.379** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **82, 82.882, 98.342**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 103.232, 305.516**, and **19, 97.038, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 117.860, 305.600**, and if you desaturate by 10%, it is **32, 108.310, 303.790**.

Distribution



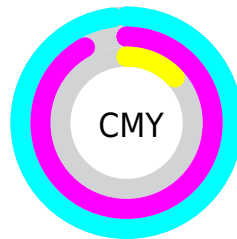
- Red (2%)
- Green (8%)
- Blue (87%)



- Red (2%)
- Yellow (7%)
- Blue (87%)



- Cyan (98%)
- Magenta (91%)
- Yellow (0%)
- Black (13%)





- Cyan (98%)
- Magenta (92%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 116.621, 305.379 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, 116.621, 305.379 by changing the saturation by 10% instead.


 29, 116.621,
305.379


 29, 116.621,
305.379


 100, 116.621,
305.379


 19, 116.621,
305.379


 49, 116.621,
305.379


 9, 116.621,
305.379


 59, 116.621,
305.379

 0, 116.621,
305.379

 69, 116.621,
305.379

 79, 116.621,
305.379

 89, 116.621,
305.379

 99, 116.621,

305.379

■ 29, 116.621,
305.379

■ 29, 116.621,
305.379

■ 29, 117.860,
305.600

■ 32, 108.310,
303.790

■ 37, 96.709,
301.600

■ 42, 83.549,
299.150

■ 49, 70.051,
296.721

■ 55, 56.805,
294.485

■ 62, 44.024,
292.510

■ 69, 31.750,
290.807

■ 76, 19.963,
289.355

■ 83, 8.628, 288.125

Harmonies

Complementary

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



29, 116.621, 305.379



82, 82.882, 98.342

Rectangle

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



29, 116.621, 305.379



29, 116.621, 355.379



29, 116.621, 125.379



29, 116.621, 175.379

Sweetspot

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



29, 116.623, 305.380



77, 36.972, 291.023



80, 48.641, 184.524



38, 25.589, 291.738



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, 116.623, 305.380



33, 130.917, 305.684



34, 113.847, 310.136



43, 6.285, 288.306



22, 98.126, 305.406



3, 30.125, 294.410

Inverse Universe

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



47, 90.446, 37.118



53, 101.840, 38.016



81, 95.331, 124.975



44, 4.740, 14.380



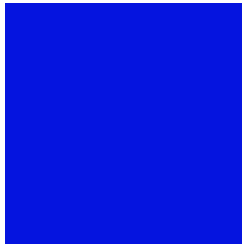
36, 76.274, 37.162



6, 25.394, 18.049

Previews

White Background



This preview shows how the CIE LCh color 29, 116.621, 305.379 looks on a white background.

Color Contrast Check

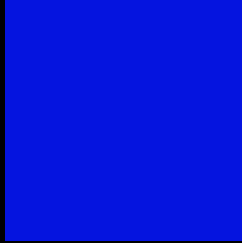
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.621, 305.379 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, 116.621, 305.379

Background



This preview shows how black text looks on a background with the CIELCh color 29, 116.621, 305.379.



This preview shows how white text looks on a background with the CIELCh color 29, 116.621, 305.379.

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, 116.638, 305.367

Protanopia

29, 47.219, 285.346

Deuteranopia

29, 32.225, 269.933



Tritanopia
29, 20.619, 201.948

Trichromacy



Original Color
29, 116.638, 305.367

Protanomaly
27, 76.220, 298.685

Deuteranomaly
26, 66.820, 296.203

Tritanomaly
25, 49.772, 289.565

Monochromacy



Original Color
29, 116.638, 305.367

Achromatopsia
15, 0.003, 296.813

Achromatomaly
17, 50.571, 300.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 116.621, 305.379 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(5, 20, 223)` looks like.

```
.text, #text, p{  
    color:rgb(5, 20, 223)  
}
```

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(5, 20, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 20, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 116.621, 305.379 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(5, 20, 223) }
```

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

```
.border{ border-color:rgb(5, 20, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 20, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 20, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 20, 223);  
box-shadow:4px 4px 4px 4px rgb(5, 20, 223)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 116.621, 305.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 20, 223) }
```

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

```
.background{ background-color: rgb(5, 20,  
223) }
```

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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