

Converting Colors

CIELCh(29, 124.583, 306.283)

Have a look what the booklet for
CIELCh(29, 124.583, 306.283)
contains.

CIELCh(29, 124.582, 306.287)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(29, 124.582, 306.287)

Conversions

Conversions Part 1

Format	Color
Hex	0100E8
RGB	1, 0, 232
RGB Percent	0%, 0%, 91%
CMY	0.9975, 0.9995, 0.0898
CMYK	1.00, 1.00, 0.00, 0.09
HSL	240°, 100%, 46%
HSV	240°, 100%, 91%
XYZ	14.5867, 5.8380, 76.7683
YIQ	26.7470, -73.8760, 72.3640

Conversions

Conversions Part 2

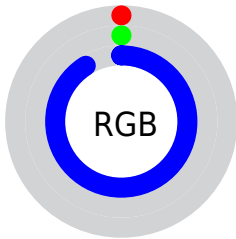
Format	Color
R_{YB}	1, 0, 232
Decimal	65768
CIE _{Lab}	29.00, 73.73, -100.42
CIE _{LCh}	29, 124.582, 306.287
Yxy	5.8380, 0.1501, 0.0601
Android (android.graphics.Color)	4278255848 (0xFF0100E8)
YUV	26.7470, 101.1897, -22.5801
Hunter-Lab	24.1619, 65.4784, -171.4653

Details

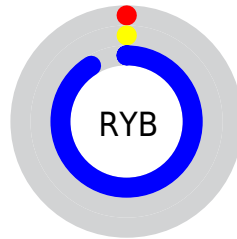
The CIELCh color **29, 124.582, 306.287** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **89, 90.241, 102.989**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.720, 306.703**, and **20, 100.472, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 124.609, 306.292**, and if you desaturate by 10%, it is **31, 119.223, 305.487**.

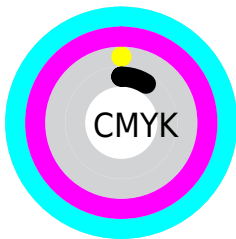
Distribution



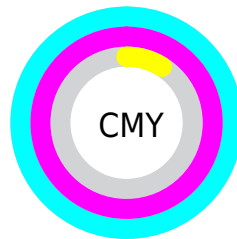
- Red (0%)
- Green (0%)
- Blue (91%)



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



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





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 124.582, 306.287 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, 124.582, 306.287 by changing the saturation by 10% instead.

 29, 124.582,
306.287

 29, 124.582,
306.287


 100, 124.582,
306.287


 19, 124.582,
306.287


 49, 124.582,
306.287


 9, 124.582,
306.287


 59, 124.582,
306.287

 0, 124.582,
306.287

 69, 124.582,
306.287

 79, 124.582,
306.287

 89, 124.582,
306.287

 99, 124.582,

306.287

■ 29, 124.582,
306.287

■ 29, 124.582,
306.287

■ 29, 124.609,
306.292

■ 31, 119.223,
305.487

■ 35, 109.263,
303.976

■ 40, 95.963,
301.937

■ 47, 81.304,
299.719

■ 54, 66.496,
297.578

■ 62, 52.071,
295.644

■ 69, 38.202,
293.959

■ 77, 24.912,
292.519

■ 84, 12.174,
291.299

Harmonies

Complementary

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



29, 124.582, 306.287



89, 90.241, 102.989

Rectangle

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



29, 124.582, 306.287



29, 124.582, 356.287



29, 124.582, 126.287



29, 124.582, 176.287

Sweetspot

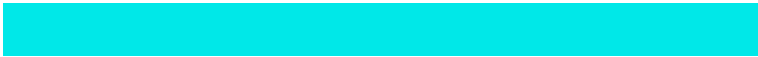
The Sweet Spot groups the original color and five complimentary colors.



29, 124.585, 306.288



75, 41.323, 293.991



84, 46.668, 196.386



37, 28.451, 294.677



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, 124.585, 306.288



32, 133.806, 306.291



37, 116.368, 311.736



45, 7.007, 291.246



21, 103.464, 306.294



2, 35.739, 297.802

Inverse Universe

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



55, 107.430, 328.320



60, 115.367, 328.320



83, 101.813, 128.278



46, 8.445, 325.000



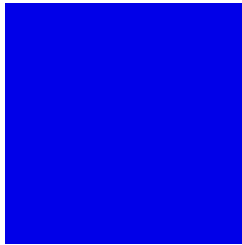
43, 89.213, 328.319



9, 38.212, 328.306

Previews

White Background



This preview shows how the CIE LCh color 29, 124.582, 306.287 looks on a white background.

Color Contrast Check

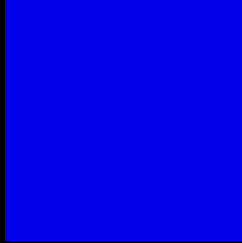
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.582, 306.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

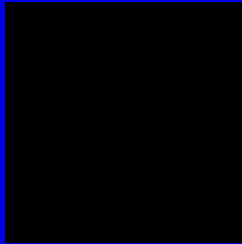
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 124.582, 306.287

Background



This preview shows how black text looks on a background with the CIELCh color 29, 124.582, 306.287.



This preview shows how white text looks on a background with the CIELCh color 29, 124.582, 306.287.

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, 124.563, 306.297

Protanopia

30, 47.676, 285.065

Deuteranopia

29, 32.765, 270.269



Tritanopia
30, 20.804, 201.886

Trichromacy



Original Color
29, 124.563, 306.297

Protanomaly
26, 83.311, 300.660

Deuteranomaly
25, 73.725, 298.692

Tritanomaly
24, 56.416, 293.560

Monochromacy



Original Color
29, 124.563, 306.297

Achromatopsia
10, 0.003, 296.813

Achromatomaly
12, 58.347, 303.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 124.582, 306.287 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(1, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 0, 232)  
}
```

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(1, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 0, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 124.582, 306.287 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(1, 0, 232) }
```

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

```
.border{ border-color:rgb(1, 0, 232) }
```

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

Here you see how a box with a 4 pixel rgb(1, 0, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 0, 232); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 0, 232); box-shadow:4px  
4px 4px 4px rgb(1, 0, 232) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 124.582, 306.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 0, 232) }
```

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

```
.background{ background-color: rgb(1, 0,  
232) }
```

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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