

Converting Colors

CIELCh(29, 124.505, 306.335)

Have a look what the booklet for
CIELCh(29, 124.505, 306.335)
contains.

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Color

CIELCh(29, 124.504, 306.325)

Conversions

Conversions Part 1

Format	Color
Hex	0300E8
RGB	3, 0, 232
RGB Percent	1%, 0%, 91%
CMY	0.9868, 1.0000, 0.0906
CMYK	0.99, 1.00, 0.00, 0.09
HSL	241°, 100%, 45%
HSV	241°, 100%, 91%
XYZ	14.5901, 5.8380, 76.6238
YIQ	27.3450, -72.6840, 72.7880

Conversions

Conversions Part 2

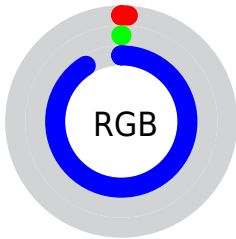
Format	Color
RYB	3, 0, 232
Decimal	196840
CIELab	29.00, 73.75, -100.31
CIELCh	29, 124.504, 306.325
Yxy	5.8380, 0.1503, 0.0602
Android (android.graphics.Color)	4278386920 (0xFF0300E8)
YUV	27.3450, 100.8949, -21.3506
Hunter-Lab	24.1619, 65.5031, -171.1107

Details

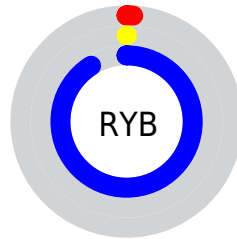
The CIELCh color **29, 124.504, 306.325** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **89, 90.214, 103.762**, and the grayscale version is **10, 0.003, 296.813**.

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, 124.474, 306.319**, and if you desaturate by 10%, it is **31, 119.104, 305.546**.

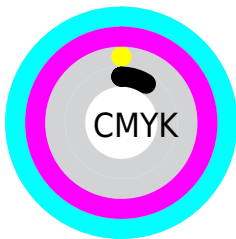
Distribution



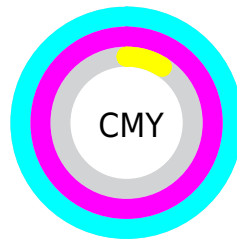
- Red (1%)
- Green (0%)
- Blue (91%)



- Red (1%)
- Yellow (0%)
- Blue (91%)



- Cyan (99%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)





- Cyan (99%)
- Magenta (100%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 124.504, 306.325 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, 124.504, 306.325 by changing the saturation by 10% instead.


 29, 124.504,
306.325


 29, 124.504,
306.325


 100, 124.504,
306.325


 19, 124.504,
306.325


 49, 124.504,
306.325


 9, 124.504,
306.325


 59, 124.504,
306.325

 0, 124.504,
306.325

 69, 124.504,
306.325

 79, 124.504,
306.325

 89, 124.504,
306.325

 99, 124.504,

306.325

■ 29, 124.504,
306.325

■ 29, 124.504,
306.325

■ 29, 124.474,
306.319

■ 31, 119.104,
305.546

■ 35, 109.163,
304.092

■ 40, 95.908,
302.120

■ 47, 81.293,
299.970

■ 54, 66.517,
297.891

■ 62, 52.110,
296.009

■ 69, 38.251,
294.366

■ 77, 24.966,
292.960

■ 84, 12.233,
291.767

Harmonies

Complementary

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



29, 124.504, 306.325



89, 90.214, 103.762

Rectangle

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



29, 124.504, 306.325



29, 124.504, 356.325



29, 124.504, 126.325



29, 124.504, 176.325

Sweetspot

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



29, 124.474, 306.319



75, 41.327, 294.390



84, 46.641, 196.386



37, 28.453, 295.058



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, 124.474, 306.319



32, 133.753, 306.316



37, 116.316, 311.733



44, 6.882, 291.707



21, 102.316, 306.332



2, 33.701, 297.123

Inverse Universe

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



55, 106.329, 328.823



60, 114.241, 328.826



83, 101.766, 128.282



45, 8.225, 325.329



42, 87.436, 328.813



8, 36.755, 328.722

Previews

White Background



This preview shows how the CIE LCh color 29, 124.504, 306.325 looks on a white background.

Color Contrast Check

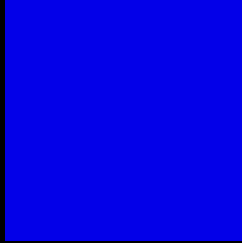
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.504, 306.325 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, 124.504, 306.325

Background



This preview shows how black text looks on a background with the CIELCh color 29, 124.504, 306.325.



This preview shows how white text looks on a background with the CIELCh color 29, 124.504, 306.325.

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, 124.523, 306.316

Protanopia

30, 47.676, 285.065

Deuteranopia

29, 32.765, 270.269

Trichromacy



Original Color
29, 124.523, 306.316

Protanomaly
26, 83.297, 300.688

Deuteranomaly
25, 73.714, 298.729

Monochromacy



Original Color
29, 124.523, 306.316

Achromatopsia
10, 0.003, 296.813

Achromatomaly
13, 58.302, 303.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 124.504, 306.325 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, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(3, 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(3, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 0, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 124.504, 306.325 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, 0, 232) }
```

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

```
.border{ border-color:rgb(3, 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(3, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 0, 232); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 0, 232); box-shadow:4px  
4px 4px 4px rgb(3, 0, 232) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 124.504, 306.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 0, 232) }
```

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

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