

Converting Colors

CIELCh(30, 122.129, 305.789)

Have a look what the booklet for
CIELCh(30, 122.129, 305.789)
contains.

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Color

CIELCh(30, 122.338, 305.809)

Conversions

Conversions Part 1

Format	Color
Hex	070EE9
RGB	7, 14, 233
RGB Percent	3%, 5%, 91%
CMY	0.9709, 0.9457, 0.0866
CMYK	0.97, 0.94, 0.00, 0.09
HSL	238°, 94%, 47%
HSV	238°, 97%, 91%
XYZ	14.9422, 6.2359, 77.4378
YIQ	36.8730, -74.4710, 66.6250

Conversions

Conversions Part 2

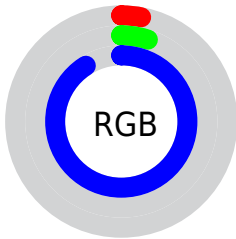
Format	Color
R_{YB}	7, 14, 233
Decimal	462569
CIE _{Lab}	30.00, 71.58, -99.21
CIE _{LCh}	30, 122.338, 305.809
Yxy	6.2359, 0.1515, 0.0632
Android (android.graphics.Color)	4278652649 (0xFF070EE9)
YUV	36.8730, 96.6906, -26.1986
Hunter-Lab	24.9718, 63.1073, -166.3786

Details

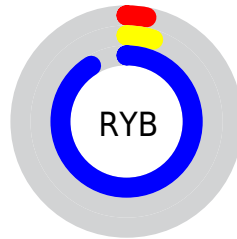
The CIELCh color **30, 122.338, 305.809** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **88, 88.037, 101.099**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 103.602, 306.088**, and **20, 100.899, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 123.786, 306.030**, and if you desaturate by 10%, it is **33, 114.710, 304.541**.

Distribution



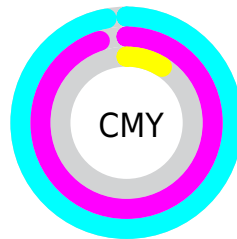
- Red (3%)
- Green (5%)
- Blue (91%)



- Red (3%)
- Yellow (5%)
- Blue (91%)



- Cyan (97%)
- Magenta (94%)
- Yellow (0%)
- Black (9%)





- Cyan (97%)
- Magenta (95%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 122.338, 305.809 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 30, 122.338, 305.809 by changing the saturation by 10% instead.


 30, 122.338,
305.809


 30, 122.338,
305.809


 100, 122.338,
305.809


 20, 122.338,
305.809


 50, 122.338,
305.809


 10, 122.338,
305.809

 60, 122.338,
305.809

 0, 122.338,
305.809

 70, 122.338,
305.809

 80, 122.338,
305.809

 90, 122.338,
305.809

■ 30, 122.338,
305.809

■ 30, 122.338,
305.809

■ 29, 123.786,
306.030

■ 33, 114.710,
304.541

■ 37, 102.941,
302.599

■ 43, 89.026,
300.317

■ 50, 74.509,
298.006

■ 57, 60.177,
295.858

■ 65, 46.330,
293.955

■ 72, 33.041,
292.314

■ 80, 20.300,

290.917

■ 87, 8.069, 289.737

Harmonies

Complementary

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



30, 122.338, 305.809



88, 88.037, 101.099

Rectangle

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



30, 122.338, 305.809



30, 122.338, 355.809



30, 122.338, 125.809



30, 122.338, 175.809

Sweetspot

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



30, 122.341, 305.810



77, 38.652, 292.674



84, 47.850, 191.477



37, 26.762, 293.372



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30, 122.341, 305.810



33, 132.703, 306.058



37, 116.141, 311.189



45, 6.802, 290.030



22, 102.160, 305.936



3, 35.025, 297.233

Inverse Universe

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



49, 94.906, 38.447



53, 103.469, 39.223



83, 99.935, 126.771



46, 4.904, 17.632



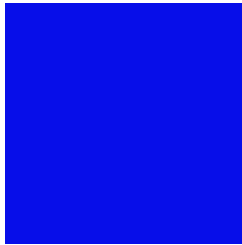
38, 79.580, 38.821



7, 28.413, 21.561

Previews

White Background



This preview shows how the CIE LCh color 30, 122.338, 305.809 looks on a white background.

Color Contrast Check

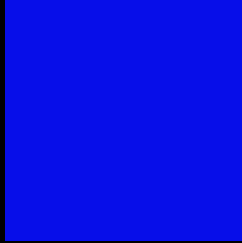
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 122.338, 305.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

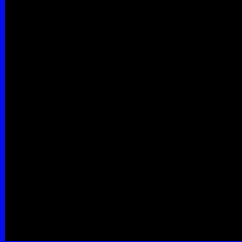
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 122.338, 305.809

Background



This preview shows how black text looks on a background with the CIELCh color 30, 122.338, 305.809.



This preview shows how white text looks on a background with the CIELCh color 30, 122.338, 305.809.

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


30, 122.355, 305.799

Protanopia

30, 48.198, 285.098

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 122.355, 305.799

Protanomaly
28, 80.081, 299.352

Deuteranomaly
27, 70.938, 297.360

Tritanomaly
26, 54.081, 291.714

Monochromacy



Original Color
30, 122.355, 305.799

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 53.795, 301.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 122.338, 305.809 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, 14, 233)` looks like.

```
.text, #text, p{  
    color:rgb(7, 14, 233)  
}
```

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, 14, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 14, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 122.338, 305.809 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, 14, 233) }
```

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

```
.border{ border-color:rgb(7, 14, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 14, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 14, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 14, 233);  
box-shadow:4px 4px 4px 4px rgb(7, 14, 233)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 122.338, 305.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 14, 233) }
```

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

```
.background{ background-color: rgb(7, 14,  
233) }
```

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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