

Converting Colors

CIELCh(32, 129.163, 305.726)

Have a look what the booklet for
CIELCh(32, 129.163, 305.726)
contains.

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Color

CIELCh(32, 129.148, 305.807)

Conversions

Conversions Part 1

Format	Color
Hex	000DF9
RGB	0, 13, 249
RGB Percent	0%, 5%, 98%
CMY	1.0000, 0.9480, 0.0253
CMYK	1.00, 0.95, 0.00, 0.03
HSL	237°, 100%, 49%
HSV	237°, 100%, 97%
XYZ	17.1348, 7.0852, 89.7120
YIQ	36.0170, -83.5040, 70.6400

Conversions

Conversions Part 2

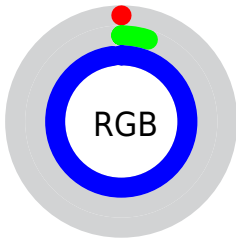
Format	Color
RYB	0, 12, 249
Decimal	3577
CIELab	32.00, 75.56, -104.74
CIELCh	32, 129.148, 305.807
Yxy	7.0852, 0.1504, 0.0622
Android (android.graphics.Color)	4278193657 (0xFF000DF9)
YUV	36.0170, 105.0006, -31.5869
Hunter-Lab	26.6180, 68.3243, -181.1959

Details

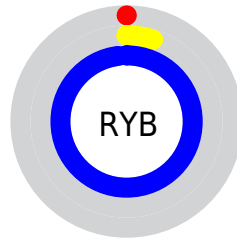
The CIELCh color **32, 129.148, 305.807** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **92, 91.360, 99.290**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 102.957, 306.303**, and **23, 107.676, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 129.099, 305.835**, and if you desaturate by 10%, it is **35, 121.871, 304.614**.

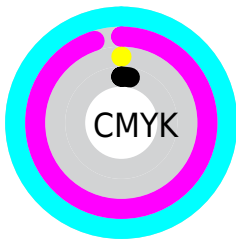
Distribution



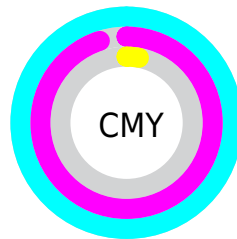
- Red (0%)
- Green (5%)
- Blue (98%)



- Red (0%)
- Yellow (5%)
- Blue (98%)



- Cyan (100%)
- Magenta (95%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (95%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 129.148, 305.807 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 32, 129.148, 305.807 by changing the saturation by 10% instead.


 32, 129.148,
305.807


 32, 129.148,
305.807


 100, 129.148,
305.807


 22, 129.148,
305.807


 52, 129.148,
305.807


 12, 129.148,
305.807


 62, 129.148,
305.807

 2, 129.148,
305.807

 72, 129.148,
305.807

 0, 129.148,
305.807

 82, 129.148,
305.807

 92, 129.148,
305.807

■ 32, 129.148,
305.807

■ 32, 129.148,
305.807

■ 32, 129.099,
305.835

■ 35, 121.871,
304.614

■ 39, 110.230,
302.661

■ 45, 96.102,
300.313

■ 52, 81.168,
297.893

■ 59, 66.338,
295.616

■ 67, 51.977,
293.585

■ 75, 38.181,
291.825

■ 82, 24.947,

290.323

■ 90, 12.237,
289.051

Harmonies

Complementary

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



32, 129.148, 305.807



92, 91.360, 99.290

Rectangle

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



32, 129.148, 305.807



32, 129.148, 355.807



32, 129.148, 125.807



32, 129.148, 175.807

Sweetspot

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



32, 129.099, 305.835



76, 38.987, 291.832



89, 52.156, 186.518



37, 26.832, 292.543



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



32, 129.099, 305.835



33, 131.693, 305.848



38, 124.400, 310.288



48, 6.981, 288.993



23, 104.323, 305.664



4, 40.452, 299.940

Inverse Universe

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



52, 100.501, 38.495



53, 102.528, 38.535



89, 104.949, 125.969



49, 5.173, 15.629



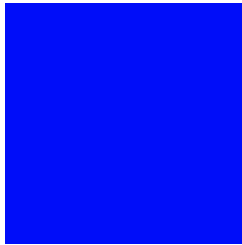
39, 81.146, 37.954



9, 31.816, 23.999

Previews

White Background



This preview shows how the CIELCh color 32, 129.148, 305.807 looks on a white background.

Color Contrast Check

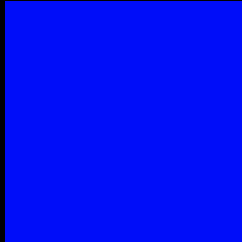
Large Text (above 18pt) WCAG AA ✓ Pass

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 32, 129.148, 305.807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

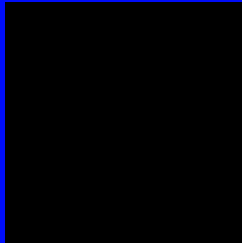
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 129.148, 305.807

Background



This preview shows how black text looks on a background with the CIELCh color 32, 129.148, 305.807.



This preview shows how white text looks on a background with the CIELCh color 32, 129.148, 305.807.

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

32, 129.334, 305.847

Protanopia

32, 50.853, 285.540

Deuteranopia

32, 34.923, 270.721



Tritanopia
32, 21.794, 203.303

Trichromacy



Original Color
32, 129.334, 305.847

Protanomaly
29, 85.374, 299.740

Deuteranomaly
29, 75.199, 297.569

Tritanomaly
27, 56.815, 291.823

Monochromacy



Original Color
32, 129.334, 305.847

Achromatopsia
14, 0.003, 296.813

Achromatomaly
17, 57.563, 301.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 129.148, 305.807 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(0, 13, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 13, 249)  
}
```

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(0, 13, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 13, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 129.148, 305.807 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(0, 13, 249) }
```

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

```
.border{ border-color:rgb(0, 13, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 13, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 13, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 13, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 13, 249)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 129.148, 305.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 13, 249) }
```

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

```
.background{ background-color: rgb(0, 13,  
249) }
```

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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