

Converting Colors

CIELCh(32, 133.368, 306.393)

Have a look what the booklet for
CIELCh(32, 133.368, 306.393)
contains.

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Color

CIELCh(32, 132.933, 306.326)

Conversions

Conversions Part 1

Format	Color
Hex	0300FD
RGB	3, 0, 253
RGB Percent	1%, 0%, 99%
CMY	0.9876, 1.0000, 0.0089
CMYK	0.99, 1.00, 0.00, 0.01
HSL	241°, 100%, 50%
HSV	241°, 100%, 99%
XYZ	17.7215, 7.0852, 93.1435
YIQ	29.7390, -79.4250, 79.3190

Conversions

Conversions Part 2

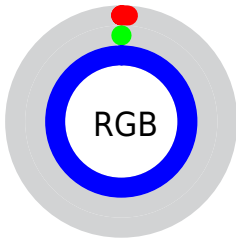
Format	Color
R _Y B	3, 0, 253
Decimal	196861
CIE Lab	32.00, 78.75, -107.10
CIE LCh	32, 132.933, 306.326
Yxy	7.0852, 0.1502, 0.0601
Android (android.graphics.Color)	4278386941 (0xFF0300FD)
YUV	29.7390, 110.0677, -23.4501
Hunter-Lab	26.6180, 72.2588, -188.8392

Details

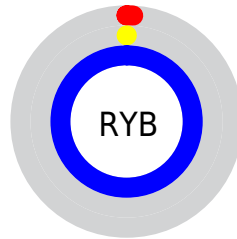
The CIELCh color **32, 132.933, 306.326** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **96, 96.276, 103.640**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 104.940, 307.018**, and **23, 108.935, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 132.861, 306.312**, and if you desaturate by 10%, it is **34, 127.467, 305.583**.

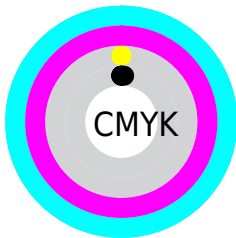
Distribution



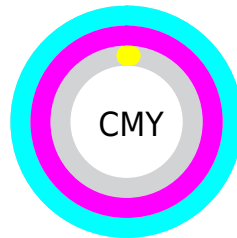
- Red (1%)
- Green (0%)
- Blue (99%)



- Red (1%)
- Yellow (0%)
- Blue (99%)



- Cyan (99%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (99%)
- Magenta (100%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 132.933, 306.326 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, 132.933, 306.326 by changing the saturation by 10% instead.


 32, 132.933,
306.326


 32, 132.933,
306.326


 100, 132.933,
306.326


 22, 132.933,
306.326


 52, 132.933,
306.326


 12, 132.933,
306.326


 62, 132.933,
306.326

 2, 132.933,
306.326

 72, 132.933,
306.326

 0, 132.933,
306.326

 82, 132.933,
306.326

 92, 132.933,
306.326

■ 32, 132.933,
306.326

■ 32, 132.933,
306.326

■ 32, 132.861,
306.312

■ 34, 127.467,
305.583

■ 38, 117.000,
304.141

■ 44, 102.869,
302.162

■ 51, 87.214,
299.992

■ 59, 71.361,
297.889

■ 67, 55.900,
295.984

■ 75, 41.027,
294.323

■ 83, 26.776,

292.901

■ 91, 13.118,
291.697

Harmonies

Complementary

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



32, 132.933, 306.326



96, 96.276, 103.640

Rectangle

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



32, 132.933, 306.326



32, 132.933, 356.326



32, 132.933, 126.326



32, 132.933, 176.326

Sweetspot

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



32, 132.861, 306.312



75, 41.326, 294.325



90, 49.778, 196.386



37, 28.453, 294.996



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, 132.861, 306.312



32, 133.762, 306.312



40, 124.202, 311.679



49, 7.505, 291.643



23, 107.718, 306.322



3, 44.158, 302.014

Inverse Universe

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



60, 113.654, 328.743



60, 114.424, 328.743



89, 108.693, 128.360



50, 8.981, 325.281



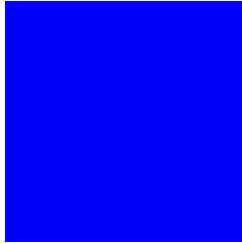
45, 92.178, 328.734



12, 42.456, 328.673

Previews

White Background



This preview shows how the CIE LCh color 32, 132.933, 306.326 looks on a white background.

Color Contrast Check

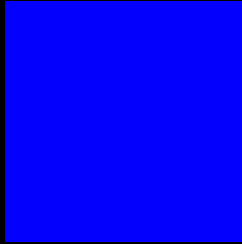
Large Text (above 18pt) WCAG AA ✓ Pass

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, 132.933, 306.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

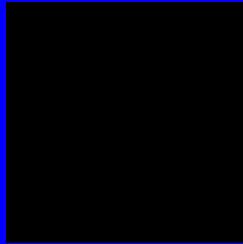
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 132.933, 306.326

Background



This preview shows how black text looks on a background with the CIELCh color 32, 132.933, 306.326.



This preview shows how white text looks on a background with the CIELCh color 32, 132.933, 306.326.

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, 132.968, 306.311

Protanopia

32, 51.367, 285.565

Deuteranopia

32, 34.930, 270.334



Tritanopia
32, 21.976, 203.232

Trichromacy



Original Color
32, 132.968, 306.311

Protanomaly
29, 89.386, 300.857

Deuteranomaly
28, 78.913, 298.940

Tritanomaly
26, 61.357, 294.277

Monochromacy



Original Color
32, 132.968, 306.311

Achromatopsia
11, 0.003, 296.813

Achromatomaly
14, 62.150, 303.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 132.933, 306.326 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(3, 0, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 0, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 132.933, 306.326 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, 253) }
```

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

```
.border{ border-color:rgb(3, 0, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 0, 253); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 0, 253); box-shadow:4px  
4px 4px 4px rgb(3, 0, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 132.933, 306.326 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, 253) }
```

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

```
.background{ background-color: rgb(3, 0,  
253) }
```

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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