

Converting Colors

CIELCh(30, 125.810, 306.107)

Have a look what the booklet for
CIELCh(30, 125.810, 306.107)
contains.

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Color

CIELCh(30, 125.728, 306.110)

Conversions

Conversions Part 1

Format	Color
Hex	0105ED
RGB	1, 5, 237
RGB Percent	0%, 2%, 93%
CMY	0.9947, 0.9802, 0.0704
CMYK	0.99, 0.98, 0.00, 0.07
HSL	239°, 99%, 47%
HSV	239°, 99%, 93%
XYZ	15.3644, 6.2359, 80.5514
YIQ	30.2520, -76.8560, 71.3040

Conversions

Conversions Part 2

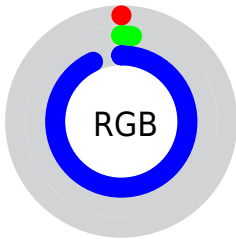
Format	Color
RYB	1, 5, 237
Decimal	67053
CIELab	30.00, 74.10, -101.57
CIELCh	30, 125.728, 306.110
Yxy	6.2359, 0.1504, 0.0610
Android (android.graphics.Color)	4278257133 (0xFF0105ED)
YUV	30.2520, 101.9268, -25.6540
Hunter-Lab	24.9718, 66.1252, -173.7713

Details

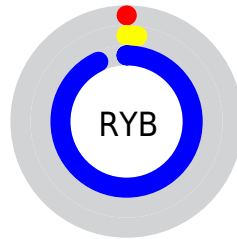
The CIELCh color **30, 125.728, 306.110** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **90, 90.519, 101.857**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 105.158, 306.459**, and **21, 102.604, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 125.983, 306.148**, and if you desaturate by 10%, it is **32, 119.767, 305.183**.

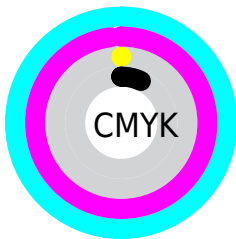
Distribution



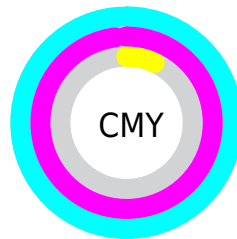
- Red (0%)
- Green (2%)
- Blue (93%)



- Red (0%)
- Yellow (2%)
- Blue (93%)



- Cyan (99%)
- Magenta (98%)
- Yellow (0%)
- Black (7%)





- Cyan (99%)
- Magenta (98%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 125.728, 306.110 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, 125.728, 306.110 by changing the saturation by 10% instead.


 30, 125.728,
306.110


 30, 125.728,
306.110


 100, 125.728,
306.110


 20, 125.728,
306.110


 50, 125.728,
306.110


 10, 125.728,
306.110

 60, 125.728,
306.110

 0, 125.728,
306.110

 70, 125.728,
306.110

 80, 125.728,
306.110

 90, 125.728,
306.110

■ 30, 125.728,
306.110

■ 30, 125.728,
306.110

■ 30, 125.983,
306.148

■ 32, 119.767,
305.183

■ 36, 109.056,
303.497

■ 42, 95.364,
301.341

■ 49, 80.565,
299.053

■ 56, 65.739,
296.874

■ 64, 51.341,
294.918

■ 71, 37.508,
293.219

■ 79, 24.251,

291.770

■ 87, 11.537,
290.543

Harmonies

Complementary

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



30, 125.728, 306.110



90, 90.519, 101.857

Rectangle

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



30, 125.728, 306.110



30, 125.728, 356.110



30, 125.728, 126.110



30, 125.728, 176.110

Sweetspot

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



30, 125.731, 306.111



76, 40.629, 293.328



85, 47.994, 193.836



37, 27.970, 294.023



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, 125.731, 306.111



32, 133.199, 306.161



37, 118.458, 311.381



45, 6.893, 290.546



22, 102.744, 306.093



3, 35.342, 297.468

Inverse Universe

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



50, 98.016, 39.403



53, 103.953, 39.567



84, 102.733, 127.677



46, 4.903, 18.665



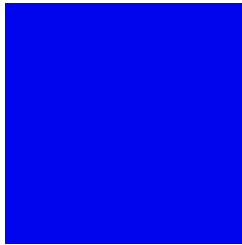
38, 80.134, 39.339



7, 28.466, 22.080

Previews

White Background



This preview shows how the CIELCh color 30, 125.728, 306.110 looks on a white background.

Color Contrast Check

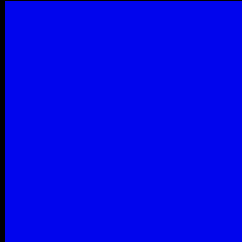
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125.728, 306.110 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, 125.728, 306.110

Background



This preview shows how black text looks on a background with the CIELCh color 30, 125.728, 306.110.



This preview shows how white text looks on a background with the CIELCh color 30, 125.728, 306.110.

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, 125.728, 306.110

Protanopia

30, 48.785, 285.433

Deuteranopia

30, 33.311, 270.184



Tritanopia
30, 21.173, 201.767

Trichromacy



Original Color
30, 125.728, 306.110

Protanomaly
27, 83.085, 300.173

Deuteranomaly
26, 73.438, 298.105

Tritanomaly
25, 56.111, 292.741

Monochromacy



Original Color
30, 125.728, 306.110

Achromatopsia
11, 0.003, 296.813

Achromatomaly
14, 57.509, 302.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 125.728, 306.110 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, 5, 237)` looks like.

```
.text, #text, p{  
    color:rgb(1, 5, 237)  
}
```

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, 5, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 5, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 125.728, 306.110 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, 5, 237) }
```

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

```
.border{ border-color:rgb(1, 5, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 5, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 5, 237); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 5, 237); box-shadow:4px  
4px 4px 4px rgb(1, 5, 237) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 125.728, 306.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 5, 237) }
```

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

```
.background{ background-color: rgb(1, 5,  
237) }
```

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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