

Converting Colors

CIELCh(30, 124.106, 305.910)

Have a look what the booklet for
CIELCh(30, 124.106, 305.910)
contains.

CIELCh(30, 124.055, 305.918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(30, 124.055, 305.918)

Conversions

Conversions Part 1

Format	Color
Hex	020AEB
RGB	2, 10, 235
RGB Percent	1%, 4%, 92%
CMY	0.9932, 0.9602, 0.0780
CMYK	0.99, 0.96, 0.00, 0.08
HSL	238°, 99%, 46%
HSV	238°, 99%, 92%
XYZ	15.1417, 6.2359, 79.0813
YIQ	33.2580, -76.9930, 68.2790

Conversions

Conversions Part 2

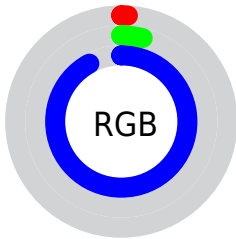
Format	Color
R_{YB}	2, 10, 235
Decimal	133867
CIE _{Lab}	30.00, 72.77, -100.47
CIE _{LCh}	30, 124.055, 305.918
Yxy	6.2359, 0.1507, 0.0621
Android (android.graphics.Color)	4278323947 (0xFF020AEB)
YUV	33.2580, 99.4588, -27.4133
Hunter-Lab	24.9718, 64.5335, -170.2808

Details

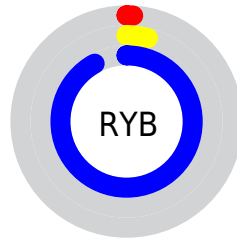
The CIELCh color **30, 124.055, 305.918** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **88, 88.584, 100.514**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 104.686, 306.227**, and **21, 101.753, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 124.373, 305.966**, and if you desaturate by 10%, it is **32, 117.315, 304.791**.

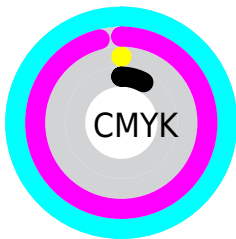
Distribution



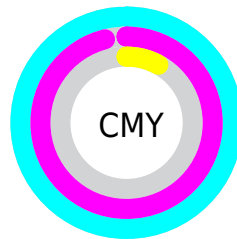
- Red (1%)
- Green (4%)
- Blue (92%)



- Red (1%)
- Yellow (4%)
- Blue (92%)



- Cyan (99%)
- Magenta (96%)
- Yellow (0%)
- Black (8%)





- Cyan (99%)
- Magenta (96%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 124.055, 305.918 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, 124.055, 305.918 by changing the saturation by 10% instead.


 30, 124.055,
305.918


 30, 124.055,
305.918


 100, 124.055,
305.918


 20, 124.055,
305.918


 50, 124.055,
305.918


 10, 124.055,
305.918

 60, 124.055,
305.918

 0, 124.055,
305.918

 70, 124.055,
305.918

 80, 124.055,
305.918

 90, 124.055,
305.918

■ 30, 124.055,
305.918

■ 30, 124.055,
305.918

■ 30, 124.373,
305.966

■ 32, 117.315,
304.791

■ 37, 106.163,
302.925

■ 43, 92.503,
300.653

■ 49, 78.009,
298.300

■ 56, 63.597,
296.084

■ 64, 49.634,
294.106

■ 71, 36.223,
292.393

■ 79, 23.363,

290.930

■ 86, 11.019,
289.692

Harmonies

Complementary

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



30, 124.055, 305.918



88, 88.584, 100.514

Rectangle

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



30, 124.055, 305.918



30, 124.055, 355.918



30, 124.055, 125.918



30, 124.055, 175.918

Sweetspot

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



30, 124.058, 305.919



76, 39.735, 292.531



84, 49.112, 188.947



37, 27.351, 293.234



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, 124.058, 305.919



33, 132.408, 305.997



36, 118.481, 310.690



45, 6.748, 289.715



22, 101.814, 305.842



3, 34.835, 297.091

Inverse Universe

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



49, 96.550, 38.772



53, 103.188, 39.020



84, 100.910, 126.461



46, 4.905, 17.014



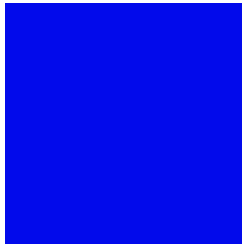
38, 79.263, 38.518



7, 28.382, 21.251

Previews

White Background



This preview shows how the CIELCh color 30, 124.055, 305.918 looks on a white background.

Color Contrast Check

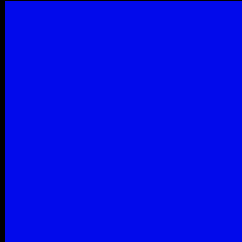
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.055, 305.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

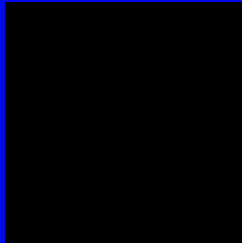
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 124.055, 305.918

Background



This preview shows how black text looks on a background with the CIELCh color 30, 124.055, 305.918.



This preview shows how white text looks on a background with the CIELCh color 30, 124.055, 305.918.

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, 124.037, 305.928

Protanopia

30, 48.785, 285.433

Deuteranopia

30, 32.785, 269.440



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 124.037, 305.928

Protanomaly
28, 81.827, 299.714

Deuteranomaly
27, 71.529, 297.402

Tritanomaly
25, 54.800, 292.092

Monochromacy



Original Color
30, 124.037, 305.928

Achromatopsia
13, 0.003, 296.813

Achromatomaly
15, 55.432, 301.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 124.055, 305.918 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(2, 10, 235)` looks like.

```
.text, #text, p{  
    color:rgb(2, 10, 235)  
}
```

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(2, 10, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 10, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 124.055, 305.918 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(2, 10, 235) }
```

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

```
.border{ border-color:rgb(2, 10, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 10, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 10, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 10, 235);  
box-shadow:4px 4px 4px 4px rgb(2, 10, 235)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 124.055, 305.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 10, 235) }
```

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

```
.background{ background-color: rgb(2, 10,  
235) }
```

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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