

Converting Colors

CIELCh(30, 124.450, 306.027)

Have a look what the booklet for
CIELCh(30, 124.450, 306.027)
contains.

CIELCh(30, 124.322, 306.032)	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, 124.322, 306.032)

Conversions

Conversions Part 1

Format	Color
Hex	0708EB
RGB	7, 8, 235
RGB Percent	3%, 3%, 92%
CMY	0.9742, 0.9672, 0.0775
CMYK	0.97, 0.96, 0.00, 0.08
HSL	240°, 95%, 47%
HSV	240°, 97%, 92%
XYZ	15.2016, 6.2359, 79.1750
YIQ	33.5790, -73.4630, 70.3850

Conversions

Conversions Part 2

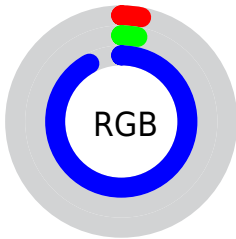
Format	Color
RYB	7, 8, 235
Decimal	461035
CIELab	30.00, 73.13, -100.54
CIELCh	30, 124.322, 306.032
Yxy	6.2359, 0.1511, 0.0620
Android (android.graphics.Color)	4278651115 (0xFF0708EB)
YUV	33.5790, 99.3006, -23.3098
Hunter-Lab	24.9718, 64.9615, -170.5032

Details

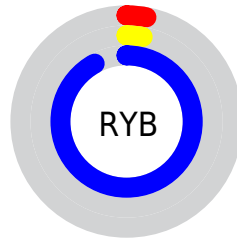
The CIELCh color **30, 124.322, 306.032** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **90, 90.136, 102.404**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 105.158, 306.459**, and **21, 101.753, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 125.569, 306.217**, and if you desaturate by 10%, it is **32, 117.637, 305.005**.

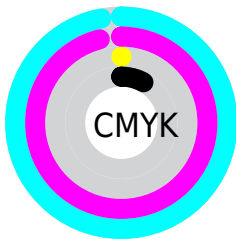
Distribution



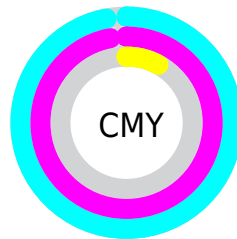
- Red (3%)
- Green (3%)
- Blue (92%)



- Red (3%)
- Yellow (3%)
- Blue (92%)



- Cyan (97%)
- Magenta (96%)
- Yellow (0%)
- Black (8%)





- Cyan (97%)
- Magenta (97%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 124.322, 306.032 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, 124.322, 306.032 by changing the saturation by 10% instead.


 30, 124.322,
306.032


 30, 124.322,
306.032


 100, 124.322,
306.032


 20, 124.322,
306.032


 50, 124.322,
306.032


 10, 124.322,
306.032

 60, 124.322,
306.032

 0, 124.322,
306.032

 70, 124.322,
306.032

 80, 124.322,
306.032

 90, 124.322,
306.032

■ 30, 124.322,
306.032

■ 30, 124.322,
306.032

■ 30, 125.569,
306.217

■ 32, 117.637,
305.005

■ 37, 106.282,
303.244

■ 43, 92.287,
301.071

■ 50, 77.420,
298.817

■ 57, 62.637,
296.697

■ 65, 48.322,
294.808

■ 72, 34.582,
293.176

■ 80, 21.417,

291.785

■ 88, 8.791, 290.611

Harmonies

Complementary

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



30, 124.322, 306.032



90, 90.136, 102.404

Rectangle

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



30, 124.322, 306.032



30, 124.322, 356.032



30, 124.322, 126.032



30, 124.322, 176.032

Sweetspot

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



30, 124.325, 306.033



76, 39.525, 293.471



85, 47.581, 193.894



37, 27.372, 294.160



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, 124.325, 306.033



32, 133.508, 306.224



38, 116.801, 311.525



45, 6.950, 290.859



21, 103.110, 306.190



2, 35.539, 297.611

Inverse Universe

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



49, 96.621, 39.159



53, 104.261, 39.783



84, 101.382, 127.411



46, 4.904, 19.303



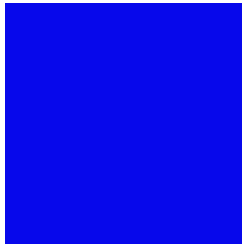
38, 80.491, 39.665



7, 28.501, 22.399

Previews

White Background



This preview shows how the CIE LCh color 30, 124.322, 306.032 looks on a white background.

Color Contrast Check

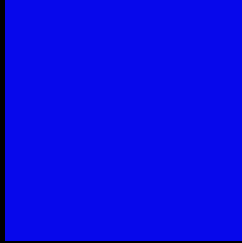
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.322, 306.032 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, 124.322, 306.032

Background



This preview shows how black text looks on a background with the CIELCh color 30, 124.322, 306.032.



This preview shows how white text looks on a background with the CIELCh color 30, 124.322, 306.032.

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, 124.285, 306.051

Protanopia

30, 48.198, 285.098

Deuteranopia

30, 32.785, 269.440



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 124.285, 306.051

Protanomaly
27, 81.899, 299.910

Deuteranomaly
27, 72.186, 297.758

Tritanomaly
25, 55.489, 292.656

Monochromacy



Original Color
30, 124.285, 306.051

Achromatopsia
13, 0.003, 296.813

Achromatomaly
15, 55.954, 302.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 124.322, 306.032 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, 8, 235)` looks like.

```
.text, #text, p{  
    color:rgb(7, 8, 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(7, 8, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 8, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 124.322, 306.032 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, 8, 235) }
```

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

```
.border{ border-color:rgb(7, 8, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 8, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 8, 235); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 8, 235); box-shadow:4px  
4px 4px 4px rgb(7, 8, 235) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 124.322, 306.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 8, 235) }
```

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

```
.background{ background-color: rgb(7, 8,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor