

Converting Colors

CIELCh(30, 124.904, 306.648)

Have a look what the booklet for
CIELCh(30, 124.904, 306.648)
contains.

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Color

CIELCh(30, 125.075, 306.643)

Conversions

Conversions Part 1

Format	Color
Hex	1C00EB
RGB	28, 0, 235
RGB Percent	11%, 0%, 92%
CMY	0.8909, 1.0000, 0.0787
CMYK	0.88, 1.00, 0.00, 0.08
HSL	247°, 100%, 46%
HSV	247°, 100%, 92%
XYZ	15.4580, 6.2359, 78.9357
YIQ	35.1620, -58.7470, 79.0210

Conversions

Conversions Part 2

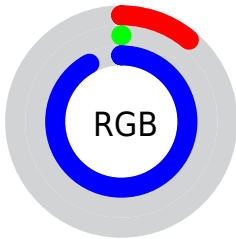
Format	Color
R_{YB}	28, 0, 235
Decimal	1835243
CIE Lab	30.00, 74.65, -100.36
CIE LCh	30, 125.075, 306.643
Yxy	6.2359, 0.1536, 0.0620
Android (android.graphics.Color)	4280025323 (0xFF1C00EB)
YUV	35.1620, 98.5201, -6.2811
Hunter-Lab	24.9718, 66.7942, -169.9350

Details

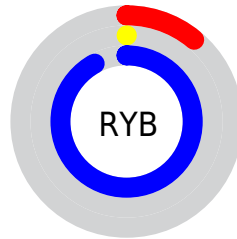
The CIELCh color **30, 125.075, 306.643** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **88, 92.005, 110.163**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 105.943, 307.246**, and **21, 101.753, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 125.054, 306.639**, and if you desaturate by 10%, it is **32, 119.367, 306.213**.

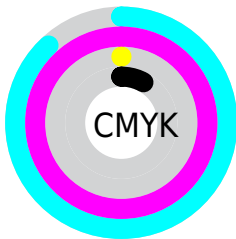
Distribution



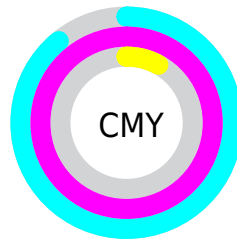
- Red (11%)
- Green (0%)
- Blue (92%)



- Red (11%)
- Yellow (0%)
- Blue (92%)



- Cyan (88%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (89%)
- Magenta (100%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 125.075, 306.643 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, 125.075, 306.643 by changing the saturation by 10% instead.


 30, 125.075,
306.643


 30, 125.075,
306.643


 100, 125.075,
306.643


 20, 125.075,
306.643


 50, 125.075,
306.643


 10, 125.075,
306.643

 60, 125.075,
306.643

 0, 125.075,
306.643

 70, 125.075,
306.643

 80, 125.075,
306.643

 90, 125.075,
306.643

■ 30, 125.075,
306.643

■ 30, 125.075,
306.643

■ 30, 125.054,
306.639

■ 32, 119.367,
306.213

■ 37, 109.404,
305.218

■ 42, 96.336,
303.777

■ 49, 81.897,
302.162

■ 56, 67.185,
300.566

■ 63, 52.735,
299.095

■ 71, 38.759,
297.787

■ 78, 25.319,

296.649

■ 86, 12.411,
295.670

Harmonies

Complementary

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



30, 125.075, 306.643



88, 92.005, 110.163

Rectangle

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



30, 125.075, 306.643



30, 125.075, 356.643



30, 125.075, 126.643



30, 125.075, 176.643

Sweetspot

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



30, 125.054, 306.639



76, 41.434, 297.803



77, 41.443, 217.966



37, 28.513, 298.337



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, 125.054, 306.639



33, 133.094, 306.621



41, 114.544, 314.707



45, 7.035, 295.622



22, 102.768, 306.712



3, 36.006, 300.544

Inverse Universe

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



54, 98.847, 333.683



59, 105.127, 333.710



83, 106.476, 131.607



46, 7.796, 328.370



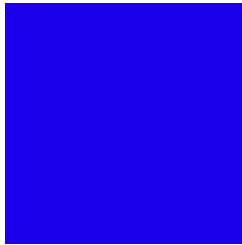
42, 81.450, 333.581



9, 35.353, 332.711

Previews

White Background



This preview shows how the CIELCh color 30, 125.075, 306.643 looks on a white background.

Color Contrast Check

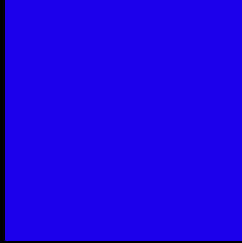
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125.075, 306.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

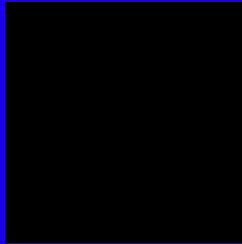
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 125.075, 306.643

Background



This preview shows how black text looks on a background with the CIELCh color 30, 125.075, 306.643.



This preview shows how white text looks on a background with the CIELCh color 30, 125.075, 306.643.

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, 125.075, 306.643

Protanopia

30, 49.372, 285.761

Deuteranopia

30, 33.311, 270.184



Tritanopia
30, 21.063, 203.604

Trichromacy



Original Color
30, 125.075, 306.643

Protanomaly
27, 84.182, 300.903

Deuteranomaly
26, 74.639, 299.050

Tritanomaly
25, 57.410, 294.301

Monochromacy



Original Color
30, 125.075, 306.643

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 58.075, 304.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 125.075, 306.643 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(28, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(28, 0, 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(28, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 0, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 125.075, 306.643 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(28, 0, 235) }
```

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

```
.border{ border-color:rgb(28, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(28, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(28, 0, 235)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 125.075, 306.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 0, 235) }
```

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

```
.background{ background-color: rgb(28, 0,  
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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