

Converting Colors

CIELCh(30, 117.700, 305.147)

Have a look what the booklet for
CIELCh(30, 117.700, 305.147)
contains.

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Color

CIELCh(30, 117.970, 305.184)

Conversions

Conversions Part 1

Format	Color
Hex	0317E4
RGB	3, 23, 228
RGB Percent	1%, 9%, 89%
CMY	0.9875, 0.9098, 0.1058
CMYK	0.99, 0.90, 0.00, 0.11
HSL	235°, 97%, 45%
HSV	235°, 99%, 89%
XYZ	14.3516, 6.2359, 73.8571
YIQ	40.3900, -77.7250, 59.5150

Conversions

Conversions Part 2

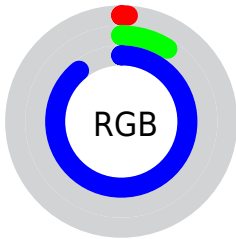
Format	Color
R_{YB}	3, 21, 228
Decimal	202724
CIE _{Lab}	30.00, 67.97, -96.42
CIE _{LCh}	30, 117.970, 305.184
Yxy	6.2359, 0.1520, 0.0660
Android (android.graphics.Color)	4278392804 (0xFF0317E4)
YUV	40.3900, 92.4917, -32.7910
Hunter-Lab	24.9718, 58.8856, -157.8771

Details

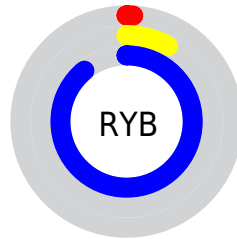
The CIELCh color **30, 117.970, 305.184** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **83, 83.357, 96.885**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 101.579, 305.222**, and **20, 99.188, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 118.874, 305.351**, and if you desaturate by 10%, it is **33, 109.275, 303.473**.

Distribution



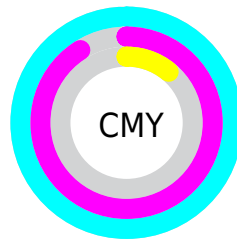
- Red (1%)
- Green (9%)
- Blue (89%)



- Red (1%)
- Yellow (8%)
- Blue (89%)



- Cyan (99%)
- Magenta (90%)
- Yellow (0%)
- Black (11%)





- Cyan (99%)
- Magenta (91%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 117.970, 305.184 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, 117.970, 305.184 by changing the saturation by 10% instead.


 30, 117.970,
305.184


 30, 117.970,
305.184


 100, 117.970,
305.184


 20, 117.970,
305.184


 50, 117.970,
305.184


 10, 117.970,
305.184

 60, 117.970,
305.184

 0, 117.970,
305.184

 70, 117.970,
305.184

 80, 117.970,
305.184

 90, 117.970,
305.184

■ 30, 117.970,
305.184

■ 30, 117.970,
305.184

■ 30, 118.874,
305.351

■ 33, 109.275,
303.473

■ 38, 97.486,
301.180

■ 44, 84.267,
298.646

■ 50, 70.772,
296.148

■ 57, 57.551,
293.852

■ 64, 44.797,
291.827

■ 71, 32.543,
290.079

■ 78, 20.766,

288.588

■ 85, 9.432, 287.324

Harmonies

Complementary

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



30, 117.970, 305.184



83, 83.357, 96.885

Rectangle

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



30, 117.970, 305.184



30, 117.970, 355.184



30, 117.970, 125.184



30, 117.970, 175.184

Sweetspot

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



30, 117.972, 305.185



77, 37.491, 290.338



82, 50.500, 182.263



38, 25.792, 291.064



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, 117.972, 305.185



34, 129.741, 305.433



34, 116.628, 309.782



44, 6.270, 287.425



22, 98.181, 305.122



3, 31.618, 295.017

Inverse Universe

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



48, 91.562, 36.530



53, 100.852, 37.243



82, 96.734, 124.408



45, 4.840, 12.820



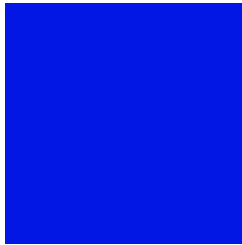
37, 76.310, 36.323



6, 26.847, 18.111

Previews

White Background



This preview shows how the CIELCh color 30, 117.970, 305.184 looks on a white background.

Color Contrast Check

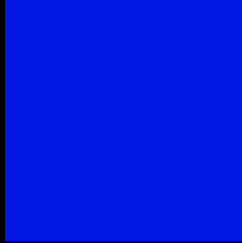
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.970, 305.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

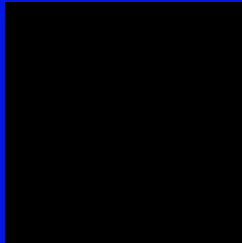
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 117.970, 305.184

Background



This preview shows how black text looks on a background with the CIELCh color 30, 117.970, 305.184.



This preview shows how white text looks on a background with the CIELCh color 30, 117.970, 305.184.

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, 117.970, 305.184

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.988, 201.826

Trichromacy



Original Color
30, 117.970, 305.184

Protanomaly
28, 77.619, 298.390

Deuteranomaly
28, 67.679, 295.779

Tritanomaly
26, 49.526, 288.563

Monochromacy



Original Color
30, 117.970, 305.184

Achromatopsia
16, 0.003, 296.813

Achromatomaly
18, 50.269, 299.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 117.970, 305.184 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, 23, 228)` looks like.

```
.text, #text, p{  
    color:rgb(3, 23, 228)  
}
```

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, 23, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 23, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 117.970, 305.184 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, 23, 228) }
```

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

```
.border{ border-color:rgb(3, 23, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 23, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 23, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 23, 228);  
box-shadow:4px 4px 4px 4px rgb(3, 23, 228)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 117.970, 305.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 23, 228) }
```

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

```
.background{ background-color: rgb(3, 23,  
228) }
```

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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