

Converting Colors

CIELCh(30, 122.329, 306.921)

Have a look what the booklet for
CIELCh(30, 122.329, 306.921)
contains.

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Color

CIELCh(30, 122.038, 306.926)

Conversions

Conversions Part 1

Format	Color
Hex	2902E6
RGB	41, 2, 230
RGB Percent	16%, 1%, 90%
CMY	0.8386, 0.9919, 0.0978
CMYK	0.82, 0.99, 0.00, 0.10
HSL	250°, 98%, 46%
HSV	250°, 99%, 90%
XYZ	15.2332, 6.2359, 75.3053
YIQ	39.6530, -49.9440, 79.1760

Conversions

Conversions Part 2

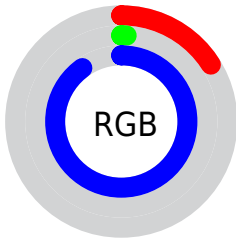
Format	Color
R _Y B	41, 2, 230
Decimal	2687718
CIE Lab	30.00, 73.32, -97.56
CIE LCh	30, 122.038, 306.926
Yxy	6.2359, 0.1574, 0.0644
Android (android.graphics.Color)	4280877798 (0xFF2902E6)
YUV	39.6530, 93.8411, 1.1813
Hunter-Lab	24.9718, 65.1870, -161.3154

Details

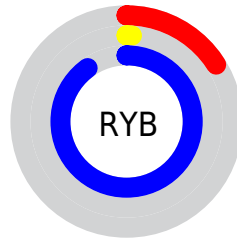
The CIELCh color **30, 122.038, 306.926** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **86, 91.268, 113.189**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 105.265, 307.592**, and **20, 100.044, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 122.494, 306.952**, and if you desaturate by 10%, it is **33, 116.032, 306.652**.

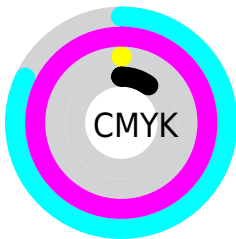
Distribution



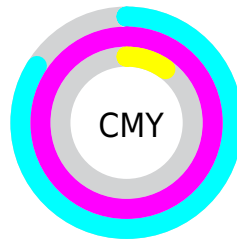
- Red (16%)
- Green (1%)
- Blue (90%)



- Red (16%)
- Yellow (1%)
- Blue (90%)



- Cyan (82%)
- Magenta (99%)
- Yellow (0%)
- Black (10%)





- Cyan (84%)
- Magenta (99%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 122.038, 306.926 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, 122.038, 306.926 by changing the saturation by 10% instead.


 30, 122.038,
306.926


 30, 122.038,
306.926


 100, 122.038,
306.926


 20, 122.038,
306.926


 50, 122.038,
306.926


 10, 122.038,
306.926

 60, 122.038,
306.926

 0, 122.038,
306.926

 70, 122.038,
306.926

 80, 122.038,
306.926

 90, 122.038,
306.926

■ 30, 122.038,
306.926

■ 30, 122.038,
306.926

■ 30, 122.494,
306.952

■ 33, 116.032,
306.652

■ 37, 105.987,
305.830

■ 43, 93.165,
304.612

■ 49, 79.104,
303.236

■ 56, 64.774,
301.865

■ 63, 50.665,
300.589

■ 70, 36.984,
299.445

■ 77, 23.801,

298.442

■ 85, 11.122,
297.573

Harmonies

Complementary

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



30, 122.038, 306.926



86, 91.268, 113.189

Rectangle

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



30, 122.038, 306.926



30, 122.038, 356.926



30, 122.038, 126.926



30, 122.038, 176.926

Sweetspot

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



30, 122.040, 306.927



76, 41.539, 299.561



72, 40.237, 228.501



37, 28.575, 300.035



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, 122.040, 306.927



33, 132.475, 306.920



42, 111.290, 316.251



44, 6.935, 297.602



22, 101.167, 307.048



3, 34.039, 300.855

Inverse Universe

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



53, 93.315, 336.520



58, 100.853, 336.659



81, 105.839, 132.623



45, 7.377, 330.097



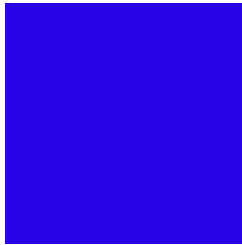
41, 77.394, 336.439



8, 33.136, 334.969

Previews

White Background



This preview shows how the CIE LCh color 30, 122.038, 306.926 looks on a white background.

Color Contrast Check

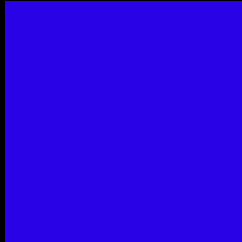
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122.038, 306.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

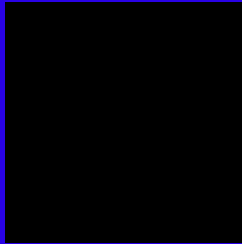
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 122.038, 306.926

Background



This preview shows how black text looks on a background with the CIELCh color 30, 122.038, 306.926.



This preview shows how white text looks on a background with the CIELCh color 30, 122.038, 306.926.

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, 122.038, 306.926

Protanopia

30, 48.785, 285.433

Deuteranopia

30, 33.311, 270.184



Tritanopia
30, 21.063, 203.604

Trichromacy



Original Color
30, 122.038, 306.926

Protanomaly
27, 82.430, 300.697

Deuteranomaly
26, 72.797, 298.771

Tritanomaly
25, 55.452, 293.819

Monochromacy



Original Color
30, 122.038, 306.926

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 55.801, 304.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 122.038, 306.926 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(41, 2, 230)` looks like.

```
.text, #text, p{  
    color:rgb(41, 2, 230)  
}
```

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(41, 2, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 2, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 122.038, 306.926 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(41, 2, 230) }
```

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

```
.border{ border-color:rgb(41, 2, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 2, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 2, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 2, 230);  
box-shadow:4px 4px 4px 4px rgb(41, 2, 230)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 122.038, 306.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 2, 230) }
```

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

```
.background{ background-color: rgb(41, 2,  
230) }
```

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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