

Converting Colors

CIELCh(30, 98.074, 302.178)

Have a look what the booklet for
CIELCh(30, 98.074, 302.178)
contains.

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Color

CIELCh(30, 98.242, 302.206)

Conversions

Conversions Part 1

Format	Color
Hex	042CCD
RGB	4, 44, 205
RGB Percent	2%, 17%, 80%
CMY	0.9839, 0.8274, 0.1961
CMYK	0.98, 0.79, 0.00, 0.20
HSL	228°, 96%, 41%
HSV	228°, 98%, 80%
XYZ	11.9717, 6.2359, 58.3340
YIQ	50.3940, -75.5210, 41.5910

Conversions

Conversions Part 2

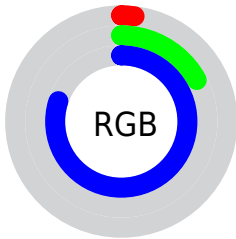
Format	Color
R_{YB}	4, 37, 205
Decimal	273613
CIE _{Lab}	30.00, 52.36, -83.13
CIE _{LCh}	30, 98.242, 302.206
Yxy	6.2359, 0.1564, 0.0815
Android (android.graphics.Color)	4278463693 (0xFF042CCD)
YUV	50.3940, 76.2208, -40.6875
Hunter-Lab	24.9718, 41.8738, -121.0208

Details

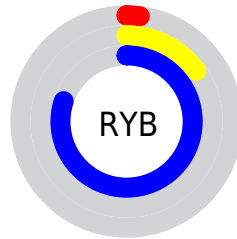
The CIELCh color **30, 98.242, 302.206** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **69, 72.120, 88.170**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 93.840, 302.083**, and **16, 89.292, 306.182** is the 20% darker color. If you saturate the color by 10%, you get **29, 100.032, 302.665**, and if you desaturate by 10%, it is **34, 88.372, 299.505**.

Distribution



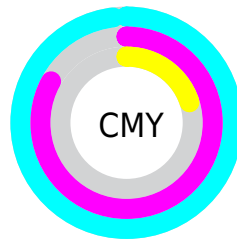
- Red (2%)
- Green (17%)
- Blue (80%)



- Red (2%)
- Yellow (15%)
- Blue (80%)



- Cyan (98%)
- Magenta (79%)
- Yellow (0%)
- Black (20%)





- Cyan (98%)
- Magenta (83%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 98.242, 302.206 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, 98.242, 302.206 by changing the saturation by 10% instead.


 30, 98.242,
302.206


 30, 98.242,
302.206

 100, 98.242,
302.206


 20, 98.242,
302.206


 50, 98.242,
302.206


 10, 98.242,
302.206

 60, 98.242,
302.206

 0, 98.242, 302.206

 70, 98.242,
302.206

 80, 98.242,
302.206

 90, 98.242,
302.206

■ 30, 98.242,
302.206

■ 30, 98.242,
302.206

■ 29, 100.032,
302.665

■ 34, 88.372,
299.505

■ 38, 77.571,
296.533

■ 43, 66.599,
293.577

■ 49, 55.840,
290.822

■ 55, 45.426,
288.360

■ 60, 35.373,
286.213

■ 66, 25.657,
284.367

■ 72, 16.250,

282.790

■ 78, 7.124, 281.449

Harmonies

Complementary

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



30, 98.242, 302.206



69, 72.120, 88.170

Rectangle

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



30, 98.242, 302.206



30, 98.242, 352.206



30, 98.242, 122.206



30, 98.242, 172.206

Sweetspot

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



30, 98.244, 302.207



80, 31.787, 284.603



74, 52.446, 171.061



40, 21.959, 285.382



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, 98.244, 302.207



37, 119.167, 302.980



28, 109.229, 308.277



40, 5.039, 281.622



23, 84.309, 302.272



3, 20.323, 287.001

Inverse Universe

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



43, 78.103, 28.985



53, 93.995, 30.719



76, 86.228, 119.790



40, 4.514, 4.163



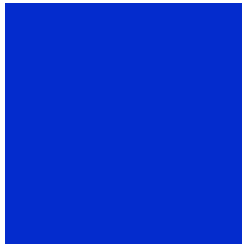
34, 67.094, 29.071



4, 18.210, 9.721

Previews

White Background



This preview shows how the CIE LCh color 30, 98.242, 302.206 looks on a white background.

Color Contrast Check

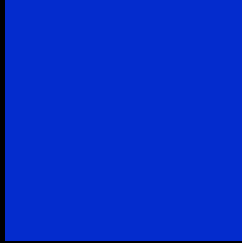
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 30, 98.242, 302.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

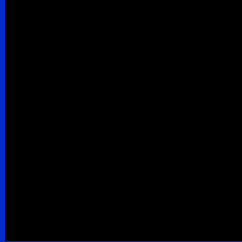
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 98.242, 302.206

Background



This preview shows how black text looks on a background with the CIELCh color 30, 98.242, 302.206.



This preview shows how white text looks on a background with the CIELCh color 30, 98.242, 302.206.

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, 98.242, 302.206

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.988, 201.826

Trichromacy



Original Color
30, 98.242, 302.206

Protanomaly
29, 67.848, 295.049

Deuteranomaly
29, 57.613, 291.261

Tritanomaly
28, 40.147, 280.556

Monochromacy



Original Color
30, 98.242, 302.206

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 38.774, 292.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 98.242, 302.206 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(4, 44, 205)` looks like.

```
.text, #text, p{  
    color:rgb(4, 44, 205)  
}
```

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(4, 44, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 44, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 98.242, 302.206 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(4, 44, 205) }
```

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

```
.border{ border-color:rgb(4, 44, 205) }
```

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

Here you see how a box with a 4 pixel rgb(4, 44, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 44, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 44, 205);  
box-shadow:4px 4px 4px 4px rgb(4, 44, 205)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 98.242, 302.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 44, 205) }
```

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

```
.background{ background-color: rgb(4, 44,  
205) }
```

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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