

Converting Colors

CIELCh(30, 98.179, 301.927)

Have a look what the booklet for
CIELCh(30, 98.179, 301.927)
contains.

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Color

CIELCh(30, 97.748, 301.965)

Conversions

Conversions Part 1

Format	Color
Hex	002DCD
RGB	0, 45, 205
RGB Percent	0%, 18%, 80%
CMY	1.0000, 0.8246, 0.1974
CMYK	1.00, 0.78, 0.00, 0.20
HSL	227°, 100%, 40%
HSV	227°, 100%, 80%
XYZ	11.8843, 6.2359, 58.1192
YIQ	49.7850, -78.1800, 40.2200

Conversions

Conversions Part 2

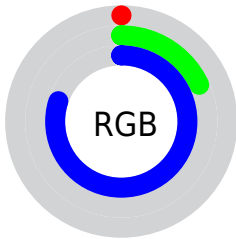
Format	Color
RYB	0, 37, 205
Decimal	11725
CIELab	30.00, 51.75, -82.93
CIELCh	30, 97.748, 301.965
Yxy	6.2359, 0.1559, 0.0818
Android (android.graphics.Color)	4278201805 (0xFF002DCD)
YUV	49.7850, 76.5210, -43.6614
Hunter-Lab	24.9718, 41.2488, -120.5109

Details

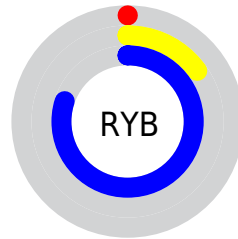
The CIELCh color **30, 97.748, 301.965** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **68, 71.791, 86.113**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 93.271, 301.783**, and **17, 88.951, 306.077** is the 20% darker color. If you saturate the color by 10%, you get **30, 97.728, 301.997**, and if you desaturate by 10%, it is **34, 88.068, 299.259**.

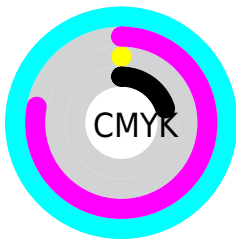
Distribution



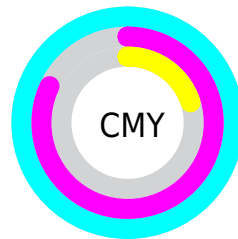
- Red (0%)
- Green (18%)
- Blue (80%)



- Red (0%)
- Yellow (15%)
- Blue (80%)



- Cyan (100%)
- Magenta (78%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (82%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 97.748, 301.965 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, 97.748, 301.965 by changing the saturation by 10% instead.


 30, 97.748,
301.965


 30, 97.748,
301.965

 100, 97.748,
301.965


 20, 97.748,
301.965


 50, 97.748,
301.965


 10, 97.748,
301.965

 60, 97.748,
301.965

 0, 97.748, 301.965

 70, 97.748,
301.965

 80, 97.748,
301.965

 90, 97.748,
301.965

■ 30, 97.748,
301.965

■ 30, 97.748,
301.965

■ 30, 97.728,
301.997

■ 34, 88.068,
299.259

■ 38, 77.546,
296.203

■ 43, 66.856,
293.150

■ 48, 56.365,
290.292

■ 54, 46.203,
287.728

■ 59, 36.383,
285.487

■ 65, 26.881,
283.557

■ 71, 17.667,

281.906

■ 77, 8.716, 280.501

Harmonies

Complementary

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



30, 97.748, 301.965



68, 71.791, 86.113

Rectangle

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



30, 97.748, 301.965



30, 97.748, 351.965



30, 97.748, 121.965



30, 97.748, 171.965

Sweetspot

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



30, 97.728, 301.997



80, 32.151, 283.626



74, 55.086, 167.453



39, 22.074, 284.419



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, 97.728, 301.997



38, 116.652, 302.340



27, 110.714, 307.862



40, 4.927, 280.423



24, 82.426, 301.581



3, 20.013, 286.360

Inverse Universe

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



43, 78.071, 28.451



54, 92.748, 29.224



76, 85.798, 118.320



40, 4.547, 2.666



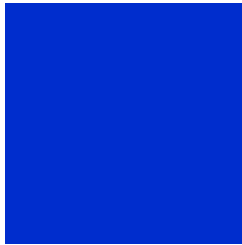
34, 66.253, 27.533



4, 18.267, 8.775

Previews

White Background



This preview shows how the CIELCh color 30, 97.748, 301.965 looks on a white background.

Color Contrast Check

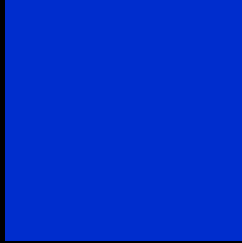
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.748, 301.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

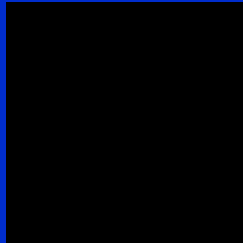
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 97.748, 301.965

Background



This preview shows how black text looks on a background with the CIELCh color 30, 97.748, 301.965.



This preview shows how white text looks on a background with the CIELCh color 30, 97.748, 301.965.

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, 97.748, 301.965

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 97.748, 301.965

Protanomaly
29, 67.177, 294.639

Deuteranomaly
29, 56.938, 290.720

Tritanomaly
28, 39.542, 279.599

Monochromacy



Original Color
30, 97.748, 301.965

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 38.796, 292.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 97.748, 301.965 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(0, 45, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 45, 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(0, 45, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 45, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 97.748, 301.965 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(0, 45, 205) }
```

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

```
.border{ border-color:rgb(0, 45, 205) }
```

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

Here you see how a box with a 4 pixel rgb(0, 45, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 45, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 45, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 45, 205)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 97.748, 301.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 45, 205) }
```

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

```
.background{ background-color: rgb(0, 45,  
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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