

Converting Colors

CIELCh(30, 96.610, 301.718)

Have a look what the booklet for
CIELCh(30, 96.610, 301.718)
contains.

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Color

CIELCh(30, 96.181, 301.695)

Conversions

Conversions Part 1

Format	Color
Hex	002ECB
RGB	0, 46, 203
RGB Percent	0%, 18%, 80%
CMY	1.0000, 0.8203, 0.2047
CMYK	1.00, 0.77, 0.00, 0.20
HSL	226°, 100%, 40%
HSV	226°, 100%, 80%
XYZ	11.7119, 6.2359, 56.9552
YIQ	50.1440, -77.8130, 39.0750

Conversions

Conversions Part 2

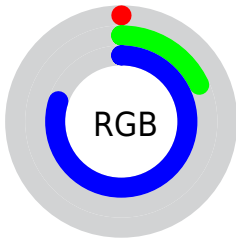
Format	Color
R_{YB}	0, 38, 203
Decimal	11979
CIE _{Lab}	30.00, 50.53, -81.84
CIE _{LCh}	30, 96.181, 301.695
Yxy	6.2359, 0.1564, 0.0833
Android (android.graphics.Color)	4278202059 (0xFF002ECB)
YUV	50.1440, 75.3580, -43.9763
Hunter-Lab	24.9718, 40.0168, -117.7474

Details

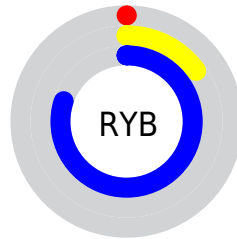
The CIELCh color **30, 96.181, 301.695** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **67, 71.097, 85.455**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 92.699, 301.479**, and **16, 87.713, 305.963** is the 20% darker color. If you saturate the color by 10%, you get **30, 96.170, 301.715**, and if you desaturate by 10%, it is **34, 86.559, 298.922**.

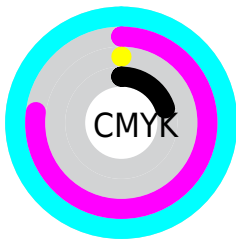
Distribution



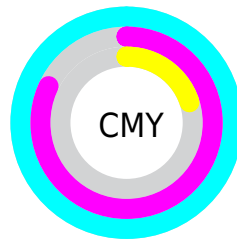
- Red (0%)
- Green (18%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (77%)
- Yellow (0%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 96.181, 301.695 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, 96.181, 301.695 by changing the saturation by 10% instead.


 30, 96.181,
301.695


 30, 96.181,
301.695

 100, 96.181,
301.695


 20, 96.181,
301.695


 50, 96.181,
301.695


 10, 96.181,
301.695

 60, 96.181,
301.695

 0, 96.181, 301.695

 70, 96.181,
301.695

 80, 96.181,
301.695

 90, 96.181,
301.695

■ 30, 96.181,
301.695

■ 30, 96.181,
301.695

■ 30, 96.170,
301.715

■ 34, 86.559,
298.922

■ 38, 76.179,
295.827

■ 43, 65.675,
292.748

■ 48, 55.382,
289.872

■ 54, 45.412,
287.295

■ 59, 35.773,
285.045

■ 65, 26.440,
283.107

■ 70, 17.383,

281.449

■ 76, 8.579, 280.037

Harmonies

Complementary

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



30, 96.181, 301.695



67, 71.097, 85.455

Rectangle

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



30, 96.181, 301.695



30, 96.181, 351.695



30, 96.181, 121.695



30, 96.181, 171.695

Sweetspot

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



30, 96.170, 301.715



80, 31.861, 283.179



73, 54.699, 167.466



40, 21.872, 283.976



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, 96.170, 301.715



38, 115.669, 302.083



27, 109.949, 307.867



40, 4.886, 279.960



24, 81.696, 301.305



3, 19.897, 286.115

Inverse Universe

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



43, 77.144, 27.826



54, 92.292, 28.642



75, 85.207, 118.312



40, 4.561, 2.111



34, 65.948, 26.938



4, 18.290, 8.422

Previews

White Background



This preview shows how the CIE LCh color 30, 96.181, 301.695 looks on a white background.

Color Contrast Check

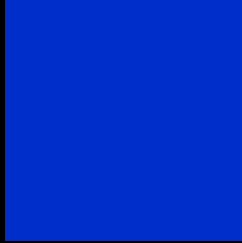
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.181, 301.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

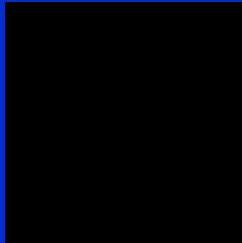
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 96.181, 301.695

Background



This preview shows how black text looks on a background with the CIELCh color 30, 96.181, 301.695.



This preview shows how white text looks on a background with the CIELCh color 30, 96.181, 301.695.

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, 96.181, 301.695

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 96.181, 301.695

Protanomaly
29, 66.599, 294.484

Deuteranomaly
29, 56.347, 290.490

Tritanomaly
28, 39.542, 279.599

Monochromacy



Original Color
30, 96.181, 301.695

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, 96.181, 301.695 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, 46, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 46, 203)  
}
```

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, 46, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 46, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 96.181, 301.695 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, 46, 203) }
```

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

```
.border{ border-color:rgb(0, 46, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 46, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 46, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 46, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 46, 203)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 96.181, 301.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 46, 203) }
```

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

```
.background{ background-color: rgb(0, 46,  
203) }
```

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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