

Converting Colors

CIELCh(30, 98.172, 302.006)

Have a look what the booklet for
CIELCh(30, 98.172, 302.006)
contains.

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Color

CIELCh(30, 98.293, 302.135)

Conversions

Conversions Part 1

Format	Color
Hex	012CCD
RGB	1, 44, 205
RGB Percent	0%, 17%, 80%
CMY	0.9960, 0.8269, 0.1953
CMYK	1.00, 0.78, 0.00, 0.20
HSL	227°, 99%, 40%
HSV	227°, 100%, 80%
XYZ	11.9608, 6.2359, 58.4504
YIQ	49.4970, -77.3090, 40.9550

Conversions

Conversions Part 2

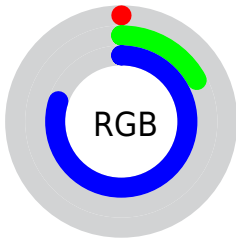
Format	Color
R _Y B	1, 37, 205
Decimal	77005
CIE Lab	30.00, 52.28, -83.23
CIE LCh	30, 98.293, 302.135
Yxy	6.2359, 0.1561, 0.0814
Android (android.graphics.Color)	4278267085 (0xFF012CCD)
YUV	49.4970, 76.6630, -42.5319
Hunter-Lab	24.9718, 41.7961, -121.2973

Details

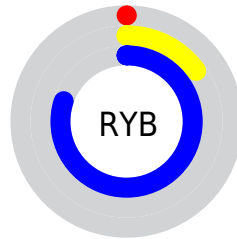
The CIELCh color **30, 98.293, 302.135** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **69, 72.047, 86.838**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 93.864, 301.965**, and **16, 89.292, 306.182** is the 20% darker color. If you saturate the color by 10%, you get **30, 98.742, 302.252**, and if you desaturate by 10%, it is **34, 88.575, 299.423**.

Distribution



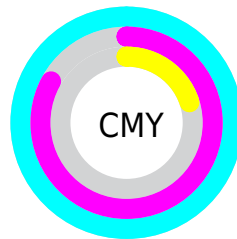
- Red (0%)
- Green (17%)
- Blue (80%)



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



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





- Cyan (100%)
- Magenta (83%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 98.293, 302.135 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, 98.293, 302.135 by changing the saturation by 10% instead.


 30, 98.293,
302.135


 30, 98.293,
302.135

 100, 98.293,
302.135


 20, 98.293,
302.135


 50, 98.293,
302.135


 10, 98.293,
302.135

 60, 98.293,
302.135

 0, 98.293, 302.135

 70, 98.293,
302.135

 80, 98.293,
302.135

 90, 98.293,
302.135

■ 30, 98.293,
302.135

■ 30, 98.293,
302.135

■ 30, 98.742,
302.252

■ 34, 88.575,
299.423

■ 38, 77.946,
296.400

■ 43, 67.133,
293.380

■ 48, 56.519,
290.554

■ 54, 46.239,
288.019

■ 60, 36.309,
285.805

■ 65, 26.705,
283.899

■ 71, 17.398,

282.269

■ 77, 8.362, 280.882

Harmonies

Complementary

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



30, 98.293, 302.135



69, 72.047, 86.838

Rectangle

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



30, 98.293, 302.135



30, 98.293, 352.135



30, 98.293, 122.135



30, 98.293, 172.135

Sweetspot

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



30, 98.295, 302.136



79, 32.437, 284.055



74, 53.915, 169.135



39, 22.274, 284.844



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, 98.295, 302.136



38, 117.591, 302.582



28, 110.378, 308.054



40, 4.968, 280.868



23, 83.126, 301.841



3, 20.126, 286.597

Inverse Universe

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



43, 78.332, 28.778



54, 93.200, 29.781



76, 86.256, 119.116



40, 4.535, 3.212



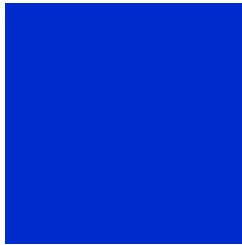
34, 66.556, 28.104



4, 18.246, 9.121

Previews

White Background



This preview shows how the CIE LCh color 30, 98.293, 302.135 looks on a white background.

Color Contrast Check

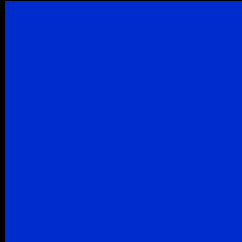
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.293, 302.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

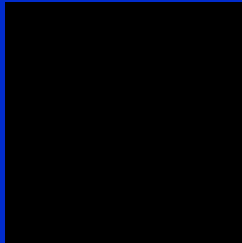
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 98.293, 302.135

Background



This preview shows how black text looks on a background with the CIELCh color 30, 98.293, 302.135.



This preview shows how white text looks on a background with the CIELCh color 30, 98.293, 302.135.

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, 98.280, 302.153

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.988, 201.826

Trichromacy



Original Color
30, 98.280, 302.153

Protanomaly
29, 67.856, 295.009

Deuteranomaly
29, 56.938, 290.720

Tritanomaly
28, 40.164, 280.455

Monochromacy



Original Color
30, 98.280, 302.153

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, 98.293, 302.135 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(1, 44, 205)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 44, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 44, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 98.293, 302.135 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(1, 44, 205) }
```

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

```
.border{ border-color:rgb(1, 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(1, 44, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 44, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 44, 205);  
box-shadow:4px 4px 4px 4px rgb(1, 44, 205)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 98.293, 302.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 44, 205) }
```

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

```
.background{ background-color: rgb(1, 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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