

Converting Colors

CIELCh(27, 88.430, 283.459)

Have a look what the booklet for
CIELCh(27, 88.430, 283.459)
contains.

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Color

CIELCh(34, 82.909, 297.085)

Conversions

Conversions Part 1

Format	Color
Hex	0042C8
RGB	0, 66, 200
RGB Percent	0%, 26%, 78%
CMY	1.0000, 0.7431, 0.2142
CMYK	1.00, 0.67, 0.00, 0.21
HSL	220°, 100%, 39%
HSV	220°, 100%, 79%
XYZ	12.3527, 8.0082, 55.7726
YIQ	61.5420, -82.3500, 27.6820

Conversions

Conversions Part 2

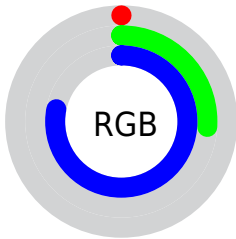
Format	Color
RYB	0, 50, 200
Decimal	17096
CIELab	34.00, 37.75, -73.82
CIELCh	34, 82.909, 297.085
Yxy	8.0082, 0.1623, 0.1052
Android (android.graphics.Color)	4278207176 (0xFF0042C8)
YUV	61.5420, 68.2598, -53.9723
Hunter-Lab	28.2988, 28.3942, -97.0423

Details

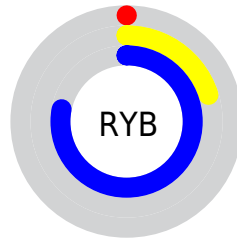
The CIELCh color **34, 82.909, 297.085** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **61, 68.854, 76.079**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 80.552, 296.686**, and **19, 77.824, 302.817** is the 20% darker color. If you saturate the color by 10%, you get **34, 82.888, 297.157**, and if you desaturate by 10%, it is **38, 73.938, 293.689**.

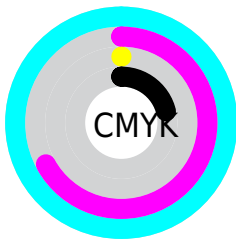
Distribution



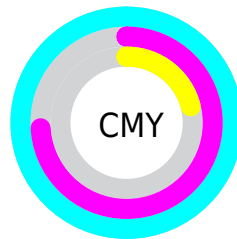
- Red (0%)
- Green (26%)
- Blue (78%)



- Red (0%)
- Yellow (20%)
- Blue (78%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (74%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 82.909, 297.085 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 34, 82.909, 297.085 by changing the saturation by 10% instead.


 34, 82.909,
297.085

 34, 82.909,
297.085

 100, 82.909,
297.085


 24, 82.909,
297.085

 54, 82.909,
297.085

 14, 82.909,
297.085

 64, 82.909,
297.085

 4, 82.909, 297.085

 74, 82.909,
297.085

 0, 82.909, 297.085

 84, 82.909,
297.085

 94, 82.909,
297.085

■ 34, 82.909,
297.085

■ 34, 82.909,
297.085

■ 34, 82.888,
297.157

■ 38, 73.938,
293.689

■ 42, 64.959,
290.087

■ 46, 56.156,
286.642

■ 51, 47.594,
283.498

■ 56, 39.260,
280.716

■ 61, 31.117,
278.304

■ 66, 23.137,
276.235

■ 71, 15.298,

274.468

■ 76, 7.590, 272.967

Harmonies

Complementary

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



34, 82.909, 297.085



61, 68.854, 76.079

Rectangle

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



34, 82.909, 297.085



34, 82.909, 347.085



34, 82.909, 117.085



34, 82.909, 167.085

Sweetspot

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



34, 82.888, 297.157



82, 28.147, 276.317



72, 61.552, 159.174



41, 19.273, 277.168



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34, 82.888, 297.157



43, 100.868, 297.665



25, 110.401, 306.968



39, 4.276, 272.882



27, 70.072, 296.612



3, 16.749, 281.235

Inverse Universe

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



42, 72.374, 18.989



54, 87.140, 19.876



76, 82.347, 112.897



39, 4.681, 354.944



34, 61.898, 18.063



4, 16.637, 2.862

Previews

White Background



This preview shows how the CIE LCh color 34, 82.909, 297.085 looks on a white background.

Color Contrast Check

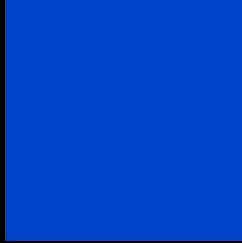
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 82.909, 297.085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

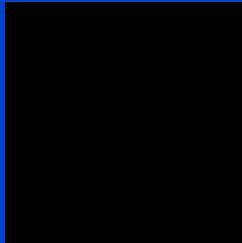
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 82.909, 297.085

Background



This preview shows how black text looks on a background with the CIELCh color 34, 82.909, 297.085.



This preview shows how white text looks on a background with the CIELCh color 34, 82.909, 297.085.

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



Trichromacy



Original Color
34, 82.359, 296.984

Protanomaly
34, 64.762, 291.393

Tritanomaly
33, 35.461, 270.633

Monochromacy



Original Color
34, 82.359, 296.984

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 32.120, 283.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 82.909, 297.085 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, 66, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 66, 200)  
}
```

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, 66, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 66, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 82.909, 297.085 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, 66, 200) }
```

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

```
.border{ border-color:rgb(0, 66, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 66, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 66, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 66, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 66, 200)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 82.909, 297.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 66, 200) }
```

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

```
.background{ background-color: rgb(0, 66,  
200) }
```

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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