

Converting Colors

CIELCh(34, 86.799, 298.274)

Have a look what the booklet for
CIELCh(34, 86.799, 298.274)
contains.

CIELCh(34, 86.969, 298.341)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 86.969, 298.341)

Conversions

Conversions Part 1

Format	Color
Hex	053FCD
RGB	5, 63, 205
RGB Percent	2%, 25%, 80%
CMY	0.9786, 0.7527, 0.1958
CMYK	0.97, 0.69, 0.00, 0.20
HSL	223°, 95%, 41%
HSV	223°, 97%, 80%
XYZ	12.8774, 8.0082, 58.6740
YIQ	61.8460, -80.1500, 31.8660

Conversions

Conversions Part 2

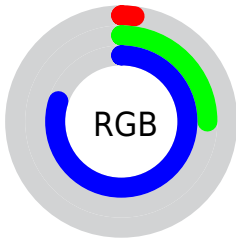
Format	Color
R_{YB}	5, 50, 205
Decimal	344013
CIE _{Lab}	34.00, 41.29, -76.54
CIE _{LCh}	34, 86.969, 298.341
Yxy	8.0082, 0.1619, 0.1007
Android (android.graphics.Color)	4278534093 (0xFF053FCD)
YUV	61.8460, 70.5749, -49.8539
Hunter-Lab	28.2988, 31.7038, -103.1213

Details

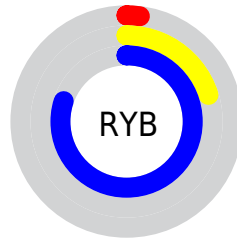
The CIELCh color **34, 86.969, 298.341** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **65, 69.783, 80.229**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 82.350, 297.844**, and **19, 81.443, 303.574** is the 20% darker color. If you saturate the color by 10%, you get **33, 89.447, 299.142**, and if you desaturate by 10%, it is **38, 77.380, 295.007**.

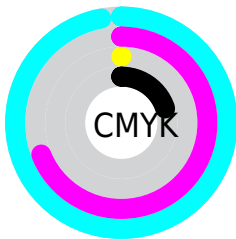
Distribution



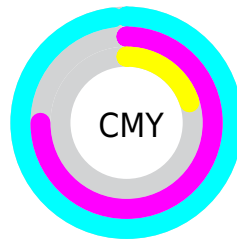
- Red (2%)
- Green (25%)
- Blue (80%)



- Red (2%)
- Yellow (20%)
- Blue (80%)



- Cyan (97%)
- Magenta (69%)
- Yellow (0%)
- Black (20%)





- Cyan (98%)
- Magenta (75%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 86.969, 298.341 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, 86.969, 298.341 by changing the saturation by 10% instead.


 34, 86.969,
298.341


 34, 86.969,
298.341

 100, 86.969,
298.341


 24, 86.969,
298.341

 54, 86.969,
298.341


 14, 86.969,
298.341


 64, 86.969,
298.341

 4, 86.969, 298.341

 74, 86.969,
298.341

 0, 86.969, 298.341

 84, 86.969,
298.341

 94, 86.969,
298.341

■ 34, 86.969,
298.341

■ 34, 86.969,
298.341

■ 33, 89.447,
299.142

■ 38, 77.380,
295.007

■ 42, 67.653,
291.595

■ 47, 58.092,
288.340

■ 52, 48.801,
285.377

■ 57, 39.786,
282.762

■ 63, 31.015,
280.498

■ 68, 22.460,
278.555

■ 73, 14.097,

276.896

■ 79, 5.911, 275.491

Harmonies

Complementary

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



34, 86.969, 298.341



65, 69.783, 80.229

Rectangle

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



34, 86.969, 298.341



34, 86.969, 348.341



34, 86.969, 118.341



34, 86.969, 168.341

Sweetspot

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



34, 86.970, 298.342



82, 28.492, 278.924



73, 59.336, 162.245



41, 19.643, 279.752



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, 86.970, 298.342



41, 106.757, 299.558



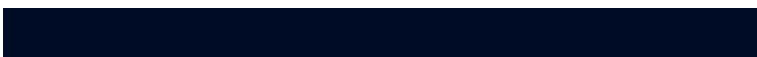
27, 110.543, 307.146



40, 4.556, 275.758



26, 75.189, 298.633



3, 18.932, 283.915

Inverse Universe

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



43, 73.920, 21.172



54, 88.835, 23.378



77, 83.802, 114.598



40, 4.688, 357.587



35, 63.693, 21.625



4, 18.505, 5.463

Previews

White Background



This preview shows how the CIE LCh color 34, 86.969, 298.341 looks on a white background.

Color Contrast Check

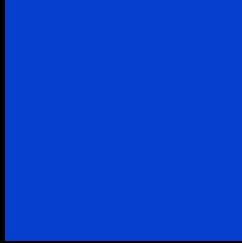
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.969, 298.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

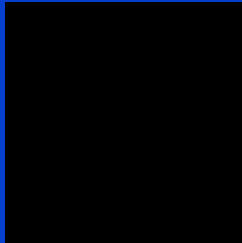
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 86.969, 298.341

Background



This preview shows how black text looks on a background with the CIELCh color 34, 86.969, 298.341.



This preview shows how white text looks on a background with the CIELCh color 34, 86.969, 298.341.

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


34, 86.969, 298.341

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.046, 271.835



Tritanopia
34, 22.700, 202.960

Trichromacy



Original Color
34, 86.969, 298.341

Protanomaly
34, 65.989, 292.061

Deuteranomaly
33, 54.757, 287.139

Tritanomaly
33, 35.943, 271.496

Monochromacy



Original Color
34, 86.969, 298.341

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 33.935, 286.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 86.969, 298.341 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(5, 63, 205)` looks like.

```
.text, #text, p{  
    color:rgb(5, 63, 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(5, 63, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 63, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 86.969, 298.341 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(5, 63, 205) }
```

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

```
.border{ border-color:rgb(5, 63, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 63, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 63, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 63, 205);  
box-shadow:4px 4px 4px 4px rgb(5, 63, 205)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 86.969, 298.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 63, 205) }
```

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

```
.background{ background-color: rgb(5, 63,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor