

Converting Colors

CIELCh(34, 102.853, 301.703)

Have a look what the booklet for
CIELCh(34, 102.853, 301.703)
contains.

CIELCh(34, 102.765, 301.697)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	27

Color

CIELCh(34, 102.765, 301.697)

Conversions

Conversions Part 1

Format	Color
Hex	0D35E0
RGB	13, 53, 224
RGB Percent	5%, 21%, 88%
CMY	0.9495, 0.7923, 0.1217
CMYK	0.94, 0.76, 0.00, 0.12
HSL	229°, 89%, 46%
HSV	229°, 94%, 88%
XYZ	14.8856, 8.0082, 71.2598
YIQ	60.5340, -78.7310, 44.7010

Conversions

Conversions Part 2

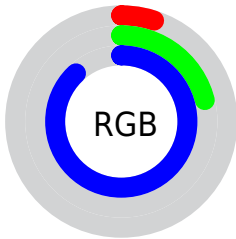
Format	Color
RYB	13, 47, 224
Decimal	865760
CIELab	34.00, 54.00, -87.44
CIELCh	34, 102.765, 301.697
Yxy	8.0082, 0.1581, 0.0851
Android (android.graphics.Color)	4279055840 (0xFF0D35E0)
YUV	60.5340, 80.5887, -41.6873
Hunter-Lab	28.2988, 44.3708, -129.4902

Details

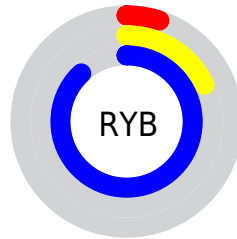
The CIELCh color **34, 102.765, 301.697** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **76, 76.788, 89.380**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 87.716, 300.929**, and **20, 95.197, 305.637** is the 20% darker color. If you saturate the color by 10%, you get **32, 108.354, 303.067**, and if you desaturate by 10%, it is **38, 91.720, 298.907**.

Distribution



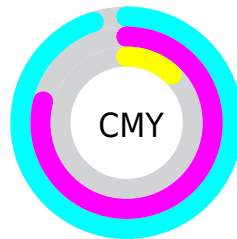
- Red (5%)
- Green (21%)
- Blue (88%)



- Red (5%)
- Yellow (18%)
- Blue (88%)



- Cyan (94%)
- Magenta (76%)
- Yellow (0%)
- Black (12%)





- Cyan (95%)
- Magenta (79%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 102.765, 301.697 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, 102.765, 301.697 by changing the saturation by 10% instead.


 34, 102.765,
301.697


 34, 102.765,
301.697


 100, 102.765,
301.697


 24, 102.765,
301.697


 54, 102.765,
301.697


 14, 102.765,
301.697


 64, 102.765,
301.697

 4, 102.765,
301.697

 74, 102.765,
301.697

 0, 102.765,
301.697

 84, 102.765,
301.697

 94, 102.765,
301.697

■ 34, 102.765,
301.697

■ 34, 102.765,
301.697

■ 32, 108.354,
303.067

■ 38, 91.720,
298.907

■ 43, 79.886,
295.938

■ 49, 68.007,
293.047

■ 55, 56.420,
290.391

■ 61, 45.226,
288.041

■ 68, 34.426,
286.005

■ 74, 23.990,
284.260

■ 80, 13.887,

282.773

■ 86, 4.090, 281.525

Harmonies

Complementary

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



34, 102.765, 301.697



76, 76.788, 89.380

Rectangle

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



34, 102.765, 301.697



34, 102.765, 351.697



34, 102.765, 121.697



34, 102.765, 171.697

Sweetspot

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



34, 102.767, 301.698



80, 30.962, 284.917



80, 55.376, 171.652



40, 21.524, 285.688



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, 102.767, 301.698



37, 120.213, 303.240



32, 114.997, 308.333



44, 5.504, 282.141



24, 89.285, 302.671



4, 27.512, 291.529

Inverse Universe

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



47, 82.049, 27.956



53, 94.549, 31.344



82, 91.226, 119.471



44, 4.870, 4.833



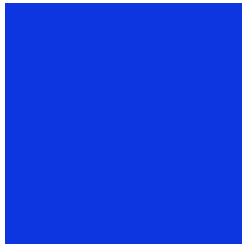
37, 70.687, 29.988



6, 25.281, 12.899

Previews

White Background



This preview shows how the CIELCh color 34, 102.765, 301.697 looks on a white background.

Color Contrast Check

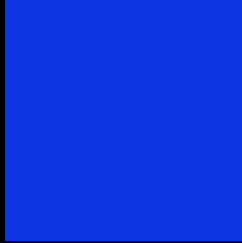
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 102.765, 301.697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

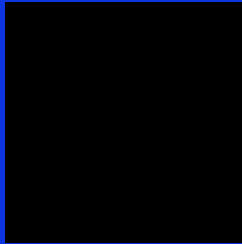
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 102.765, 301.697

Background



This preview shows how black text looks on a background with the CIELCh color 34, 102.765, 301.697.



This preview shows how white text looks on a background with the CIELCh color 34, 102.765, 301.697.

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, 102.765, 301.697

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 36.520, 271.201

Trichromacy



Original Color
34, 102.765, 301.697

Protanomaly
33, 72.065, 294.596

Deuteranomaly
33, 61.443, 290.889

Monochromacy



Original Color
34, 102.765, 301.697

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 41.025, 292.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 102.765, 301.697 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(13, 53, 224)` looks like.

```
.text, #text, p{  
    color:rgb(13, 53, 224)  
}
```

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(13, 53, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 53, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 102.765, 301.697 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(13, 53, 224) }
```

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

```
.border{ border-color:rgb(13, 53, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 53, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 53, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 53, 224);  
box-shadow:4px 4px 4px 4px rgb(13, 53,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 102.765, 301.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 53, 224) }
```

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

```
.background{ background-color: rgb(13, 53,  
224) }
```

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