

Converting Colors

CIELCh(34, 101.650, 301.344)

Have a look what the booklet for
CIELCh(34, 101.650, 301.344)
contains.

CIELCh(34, 101.776, 301.372)	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>	28

Color

CIELCh(34, 101.776, 301.372)

Conversions

Conversions Part 1

Format	Color
Hex	0636DF
RGB	6, 54, 223
RGB Percent	2%, 21%, 87%
CMY	0.9759, 0.7882, 0.1254
CMYK	0.97, 0.76, 0.00, 0.13
HSL	227°, 95%, 45%
HSV	227°, 97%, 87%
XYZ	14.7186, 8.0082, 70.5976
YIQ	58.9140, -82.8570, 42.3830

Conversions

Conversions Part 2

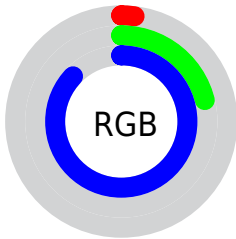
Format	Color
RYB	6, 45, 223
Decimal	407263
CIELab	34.00, 52.98, -86.90
CIELCh	34, 101.776, 301.372
Yxy	8.0082, 0.1577, 0.0858
Android (android.graphics.Color)	4278597343 (0xFF0636DF)
YUV	58.9140, 80.8944, -46.4056
Hunter-Lab	28.2988, 43.3174, -128.1028

Details

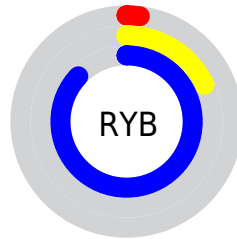
The CIELCh color **34, 101.776, 301.372** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **74, 75.979, 86.286**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 87.734, 300.794**, and **20, 94.469, 305.547** is the 20% darker color. If you saturate the color by 10%, you get **33, 104.476, 302.066**, and if you desaturate by 10%, it is **38, 91.146, 298.475**.

Distribution



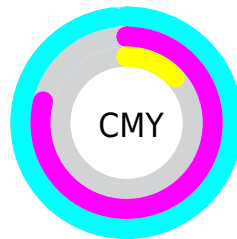
- Red (2%)
- Green (21%)
- Blue (87%)



- Red (2%)
- Yellow (18%)
- Blue (87%)



- Cyan (97%)
- Magenta (76%)
- Yellow (0%)
- Black (13%)





- Cyan (98%)
- Magenta (79%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 101.776, 301.372 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, 101.776, 301.372 by changing the saturation by 10% instead.


 34, 101.776,
301.372


 34, 101.776,
301.372


 100, 101.776,
301.372


 24, 101.776,
301.372


 54, 101.776,
301.372


 14, 101.776,
301.372


 64, 101.776,
301.372

 4, 101.776,
301.372

 74, 101.776,
301.372

 0, 101.776,
301.372

 84, 101.776,
301.372

 94, 101.776,
301.372

■ 34, 101.776,
301.372

■ 34, 101.776,
301.372

■ 33, 104.476,
302.066

■ 38, 91.146,
298.475

■ 43, 79.792,
295.371

■ 48, 68.391,
292.327

■ 54, 57.258,
289.514

■ 60, 46.489,
287.012

■ 66, 36.081,
284.838

■ 72, 26.005,
282.971

■ 78, 16.229,

281.377

■ 84, 6.728, 280.026

Harmonies

Complementary

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



34, 101.776, 301.372



74, 75.979, 86.286

Rectangle

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



34, 101.776, 301.372



34, 101.776, 351.372



34, 101.776, 121.372



34, 101.776, 171.372

Sweetspot

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



34, 101.778, 301.373



80, 30.953, 283.317



80, 58.200, 167.878



40, 21.374, 284.108



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, 101.778, 301.373



38, 116.370, 302.267



31, 116.754, 307.834



44, 5.317, 280.303



25, 86.287, 301.631



4, 26.857, 290.705

Inverse Universe

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



47, 81.878, 27.164



54, 92.616, 29.057



82, 90.852, 118.134



44, 4.924, 2.517



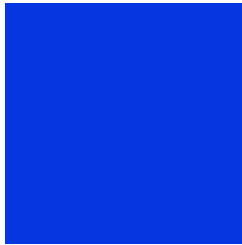
37, 69.303, 27.642



6, 25.282, 11.583

Previews

White Background



This preview shows how the CIELCh color 34, 101.776, 301.372 looks on a white background.

Color Contrast Check

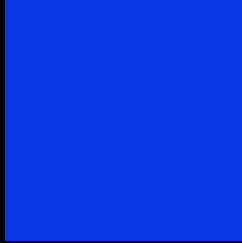
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.776, 301.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

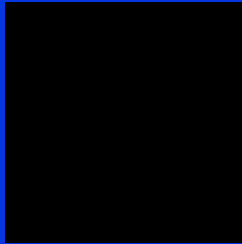
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 101.776, 301.372

Background



This preview shows how black text looks on a background with the CIELCh color 34, 101.776, 301.372.



This preview shows how white text looks on a background with the CIELCh color 34, 101.776, 301.372.

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, 101.776, 301.372

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 36.520, 271.201



Tritanopia
33, 22.423, 204.730

Trichromacy



Original Color
34, 101.776, 301.372

Protanomaly
33, 71.420, 294.152

Deuteranomaly
33, 60.218, 290.092

Tritanomaly
32, 41.483, 278.530

Monochromacy



Original Color
34, 101.776, 301.372

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 40.467, 291.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 101.776, 301.372 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(6, 54, 223)` looks like.

```
.text, #text, p{  
    color:rgb(6, 54, 223)  
}
```

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(6, 54, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 54, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 101.776, 301.372 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(6, 54, 223) }
```

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

```
.border{ border-color:rgb(6, 54, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 54, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 54, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 54, 223);  
box-shadow:4px 4px 4px 4px rgb(6, 54, 223)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 101.776, 301.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 54, 223) }
```

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

```
.background{ background-color: rgb(6, 54,  
223) }
```

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