

Converting Colors

CIELCh(34, 101.248, 301.221)

Have a look what the booklet for
CIELCh(34, 101.248, 301.221)
contains.

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Color

CIELCh(34, 100.723, 301.118)

Conversions

Conversions Part 1

Format	Color
Hex	0337DE
RGB	3, 55, 222
RGB Percent	1%, 22%, 87%
CMY	0.9873, 0.7848, 0.1300
CMYK	0.99, 0.75, 0.00, 0.13
HSL	226°, 97%, 44%
HSV	226°, 99%, 87%
XYZ	14.5662, 8.0082, 69.7841
YIQ	58.4900, -84.5990, 40.9130

Conversions

Conversions Part 2

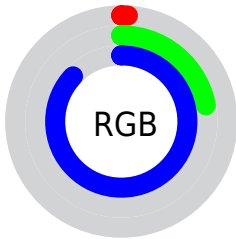
Format	Color
R _Y B	3, 45, 222
Decimal	210910
CIE Lab	34.00, 52.05, -86.23
CIE LCh	34, 100.723, 301.118
Yxy	8.0082, 0.1577, 0.0867
Android (android.graphics.Color)	4278400990 (0xFF0337DE)
YUV	58.4900, 80.6104, -48.6647
Hunter-Lab	28.2988, 42.3561, -126.3984

Details

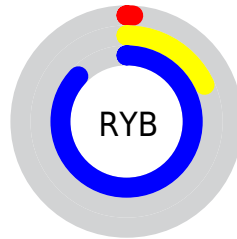
The CIELCh color **34, 100.723, 301.118** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **72, 75.459, 84.679**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 87.146, 300.454**, and **20, 93.454, 305.370** is the 20% darker color. If you saturate the color by 10%, you get **33, 102.155, 301.497**, and if you desaturate by 10%, it is **38, 90.293, 298.169**.

Distribution



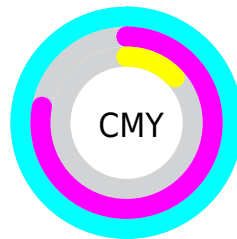
- Red (1%)
- Green (22%)
- Blue (87%)



- Red (1%)
- Yellow (18%)
- Blue (87%)



- Cyan (99%)
- Magenta (75%)
- Yellow (0%)
- Black (13%)





- Cyan (99%)
- Magenta (78%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 100.723, 301.118 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, 100.723, 301.118 by changing the saturation by 10% instead.


 34, 100.723,
301.118


 34, 100.723,
301.118


 100, 100.723,
301.118


 24, 100.723,
301.118


 54, 100.723,
301.118


 14, 100.723,
301.118


 64, 100.723,
301.118

 4, 100.723,
301.118

 74, 100.723,
301.118

 0, 100.723,
301.118

 84, 100.723,
301.118

 94, 100.723,
301.118

■ 34, 100.723,
301.118

■ 34, 100.723,
301.118

■ 33, 102.155,
301.497

■ 38, 90.293,
298.169

■ 43, 79.203,
294.995

■ 48, 68.079,
291.876

■ 54, 57.217,
288.988

■ 59, 46.703,
286.414

■ 65, 36.531,
284.174

■ 71, 26.672,
282.250

■ 77, 17.095,

280.606

■ 83, 7.775, 279.210

Harmonies

Complementary

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



34, 100.723, 301.118



72, 75.459, 84.679

Rectangle

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



34, 100.723, 301.118



34, 100.723, 351.118



34, 100.723, 121.118



34, 100.723, 171.118

Sweetspot

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



34, 100.724, 301.119



80, 31.467, 282.556



79, 59.526, 166.104



40, 21.597, 283.358



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, 100.724, 301.119



39, 114.296, 301.717



30, 117.236, 307.638



44, 5.226, 279.327



26, 84.686, 301.049



4, 26.512, 290.250

Inverse Universe

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



47, 81.449, 26.585



54, 91.681, 27.830



82, 90.393, 117.398



44, 4.954, 1.368



37, 68.644, 26.394



6, 25.288, 10.883

Previews

White Background



This preview shows how the CIELCh color 34, 100.723, 301.118 looks on a white background.

Color Contrast Check

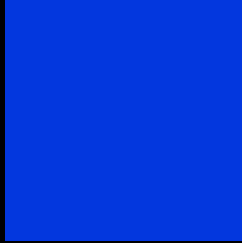
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.723, 301.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

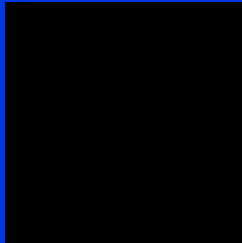
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 100.723, 301.118

Background



This preview shows how black text looks on a background with the CIELCh color 34, 100.723, 301.118.



This preview shows how white text looks on a background with the CIELCh color 34, 100.723, 301.118.

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, 100.732, 301.102

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 36.520, 271.201



Tritanopia
33, 22.423, 204.730

Trichromacy



Original Color
34, 100.732, 301.102

Protanomaly
33, 71.427, 294.120

Deuteranomaly
33, 60.226, 290.047

Tritanomaly
32, 41.498, 278.446

Monochromacy



Original Color
34, 100.732, 301.102

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 39.890, 290.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 100.723, 301.118 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(3, 55, 222)` looks like.

```
.text, #text, p{  
    color:rgb(3, 55, 222)  
}
```

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(3, 55, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 55, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 100.723, 301.118 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(3, 55, 222) }
```

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

```
.border{ border-color:rgb(3, 55, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 55, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 55, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 55, 222);  
box-shadow:4px 4px 4px 4px rgb(3, 55, 222)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 100.723, 301.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 55, 222) }
```

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

```
.background{ background-color: rgb(3, 55,  
222) }
```

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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