

Converting Colors

CIELCh(34, 94.778, 299.958)

Have a look what the booklet for
CIELCh(34, 94.778, 299.958)
contains.

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Color

CIELCh(34, 94.785, 299.919)

Conversions

Conversions Part 1

Format	Color
Hex	013BD7
RGB	1, 59, 215
RGB Percent	0%, 23%, 84%
CMY	0.9968, 0.7694, 0.1578
CMYK	1.00, 0.73, 0.00, 0.16
HSL	224°, 99%, 42%
HSV	224°, 100%, 84%
XYZ	13.7998, 8.0082, 64.9512
YIQ	59.4420, -84.6440, 36.2200

Conversions

Conversions Part 2

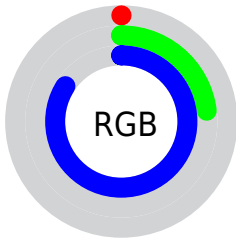
Format	Color
R _Y B	1, 47, 215
Decimal	80855
CIE Lab	34.00, 47.28, -82.15
CIE LCh	34, 94.785, 299.919
Yxy	8.0082, 0.1591, 0.0923
Android (android.graphics.Color)	4278270935 (0xFF013BD7)
YUV	59.4420, 76.6901, -51.2536
Hunter-Lab	28.2988, 37.5220, -116.2728

Details

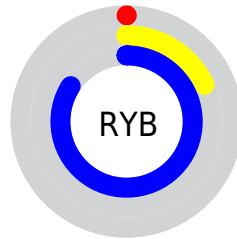
The CIELCh color **34, 94.785, 299.919** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **68, 73.074, 81.305**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 84.757, 299.185**, and **20, 88.591, 304.630** is the 20% darker color. If you saturate the color by 10%, you get **34, 95.151, 300.027**, and if you desaturate by 10%, it is **38, 84.820, 296.783**.

Distribution



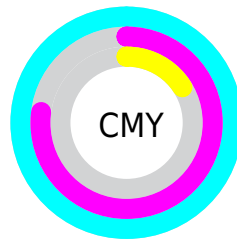
- Red (0%)
- Green (23%)
- Blue (84%)



- Red (0%)
- Yellow (18%)
- Blue (84%)



- Cyan (100%)
- Magenta (73%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (77%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 94.785, 299.919 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, 94.785, 299.919 by changing the saturation by 10% instead.


 34, 94.785,
299.919


 34, 94.785,
299.919

 100, 94.785,
299.919


 24, 94.785,
299.919

 54, 94.785,
299.919


 14, 94.785,
299.919


 64, 94.785,
299.919

 4, 94.785, 299.919

 74, 94.785,
299.919

 0, 94.785, 299.919

 84, 94.785,
299.919

 94, 94.785,
299.919

■ 34, 94.785,
299.919

■ 34, 94.785,
299.919

■ 34, 95.151,
300.027

■ 38, 84.820,
296.783

■ 42, 74.471,
293.442

■ 47, 64.188,
290.186

■ 53, 54.170,
287.181

■ 58, 44.460,
284.509

■ 64, 35.040,
282.184

■ 69, 25.876,
280.185

■ 75, 16.942,

278.478

■ 80, 8.217, 277.026

Harmonies

Complementary

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



34, 94.785, 299.919



68, 73.074, 81.305

Rectangle

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



34, 94.785, 299.919



34, 94.785, 349.919



34, 94.785, 119.919



34, 94.785, 169.919

Sweetspot

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



34, 94.786, 299.920



81, 30.150, 280.310



77, 60.869, 163.053



40, 20.676, 281.132



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, 94.786, 299.920



40, 109.354, 300.332



28, 115.456, 307.327



42, 4.836, 276.999



26, 78.997, 299.524



4, 22.479, 286.790

Inverse Universe

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



45, 78.321, 24.101



54, 89.725, 24.914



80, 87.678, 115.699



42, 4.841, 358.832



36, 65.777, 23.312



5, 22.194, 7.664

Previews

White Background



This preview shows how the CIE LCh color 34, 94.785, 299.919 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, 94.785, 299.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

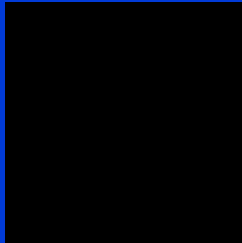
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 94.785, 299.919

Background



This preview shows how black text looks on a background with the CIELCh color 34, 94.785, 299.919.



This preview shows how white text looks on a background with the CIELCh color 34, 94.785, 299.919.

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, 94.794, 299.901

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.046, 271.835



Tritanopia
34, 22.700, 202.960

Trichromacy



Original Color
34, 94.794, 299.901

Protanomaly
33, 69.057, 293.266

Deuteranomaly
33, 57.748, 288.581

Tritanomaly
32, 38.689, 275.061

Monochromacy



Original Color
34, 94.794, 299.901

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 37.275, 288.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 94.785, 299.919 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(1, 59, 215)` looks like.

```
.text, #text, p{  
    color:rgb(1, 59, 215)  
}
```

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(1, 59, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 59, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 94.785, 299.919 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(1, 59, 215) }
```

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

```
.border{ border-color:rgb(1, 59, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 59, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 59, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 59, 215);  
box-shadow:4px 4px 4px 4px rgb(1, 59, 215)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 94.785, 299.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 59, 215) }
```

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

```
.background{ background-color: rgb(1, 59,  
215) }
```

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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