

Converting Colors

CIELCh(34, 73.823, 294.614)

Have a look what the booklet for
CIELCh(34, 73.823, 294.614)
contains.

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Color

CIELCh(34, 73.593, 294.488)

Conversions

Conversions Part 1

Format	Color
Hex	0046BD
RGB	0, 70, 189
RGB Percent	0%, 27%, 74%
CMY	1.0000, 0.7265, 0.2600
CMYK	1.00, 0.63, 0.00, 0.26
HSL	218°, 100%, 37%
HSV	218°, 100%, 74%
XYZ	11.3227, 8.0082, 48.9189
YIQ	62.6360, -79.9190, 22.1690

Conversions

Conversions Part 2

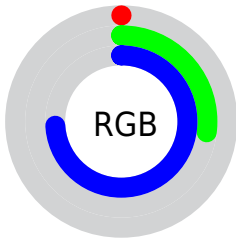
Format	Color
RYB	0, 51, 189
Decimal	18109
CIELab	34.00, 30.50, -66.97
CIELCh	34, 73.593, 294.488
Yxy	8.0082, 0.1659, 0.1173
Android (android.graphics.Color)	4278208189 (0xFF0046BD)
YUV	62.6360, 62.2975, -54.9318
Hunter-Lab	28.2988, 21.8970, -82.6829

Details

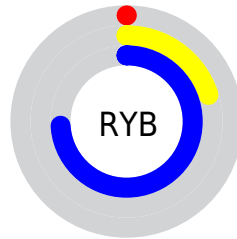
The CIELCh color **34, 73.593, 294.488** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **56, 65.820, 72.170**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 73.264, 294.306**, and **18, 69.539, 301.129** is the 20% darker color. If you saturate the color by 10%, you get **34, 73.592, 294.499**, and if you desaturate by 10%, it is **37, 65.606, 290.793**.

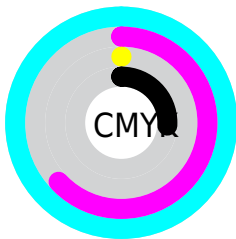
Distribution



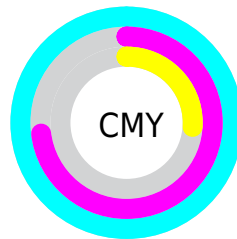
- Red (0%)
- Green (27%)
- Blue (74%)



- Red (0%)
- Yellow (20%)
- Blue (74%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (73%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 73.593, 294.488 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, 73.593, 294.488 by changing the saturation by 10% instead.

 34, 73.593,
294.488

 34, 73.593,
294.488

 100, 73.593,
294.488

 24, 73.593,
294.488

 54, 73.593,
294.488

 14, 73.593,
294.488

 64, 73.593,
294.488

 4, 73.593, 294.488

 74, 73.593,
294.488

 0, 73.593, 294.488

 84, 73.593,
294.488

 94, 73.593,
294.488

■ 34, 73.593,
294.488

■ 34, 73.593,
294.488

■ 34, 73.592,
294.499

■ 37, 65.606,
290.793

■ 41, 57.736,
287.006

■ 45, 50.060,
283.432

■ 49, 42.577,
280.196

■ 54, 35.248,
277.349

■ 58, 28.036,
274.889

■ 63, 20.914,
272.783

■ 67, 13.870,

270.988

■ 72, 6.901, 269.467

Harmonies

Complementary

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



34, 73.593, 294.488



56, 65.820, 72.170

Rectangle

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



34, 73.593, 294.488



34, 73.593, 344.488



34, 73.593, 114.488



34, 73.593, 164.488

Sweetspot

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



34, 73.592, 294.499



80, 25.845, 272.877



68, 62.421, 155.808



40, 17.665, 273.731



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34, 73.592, 294.499



44, 91.023, 295.129



23, 106.015, 306.690



37, 3.910, 269.377



28, 63.649, 293.965



3, 13.061, 277.022

Inverse Universe

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



40, 68.110, 14.688



52, 83.061, 15.660



73, 78.017, 109.960



37, 4.589, 352.119



33, 59.622, 13.887



3, 13.137, 359.002

Previews

White Background



This preview shows how the CIELCh color 34, 73.593, 294.488 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, 73.593, 294.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

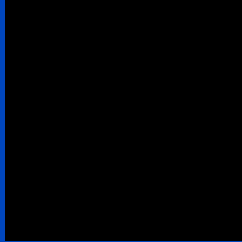
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 73.593, 294.488

Background



This preview shows how black text looks on a background with the CIELCh color 34, 73.593, 294.488.



This preview shows how white text looks on a background with the CIELCh color 34, 73.593, 294.488.

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



Trichromacy



Original Color
34, 73.600, 294.458

Protanomaly
34, 61.218, 289.952

Tritanomaly
33, 31.957, 264.595

Monochromacy



Original Color
34, 73.600, 294.458

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 28.435, 279.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 73.593, 294.488 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(0, 70, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 70, 189)  
}
```

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(0, 70, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 70, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 73.593, 294.488 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(0, 70, 189) }
```

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

```
.border{ border-color:rgb(0, 70, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 70, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 70, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 70, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 70, 189)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 73.593, 294.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 70, 189) }
```

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

```
.background{ background-color: rgb(0, 70,  
189) }
```

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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