

Converting Colors

CIELCh(34, 73.629, 294.517)

Have a look what the booklet for
CIELCh(34, 73.629, 294.517)
contains.

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Color

CIELCh(34, 73.600, 294.458)

Conversions

Conversions Part 1

Format	Color
Hex	0046BD
RGB	0, 70, 189
RGB Percent	0%, 27%, 74%
CMY	1.0000, 0.7263, 0.2599
CMYK	1.00, 0.63, 0.00, 0.26
HSL	218°, 100%, 37%
HSV	218°, 100%, 74%
XYZ	11.3182, 8.0082, 48.9403
YIQ	62.6360, -79.9190, 22.1690

Conversions

Conversions Part 2

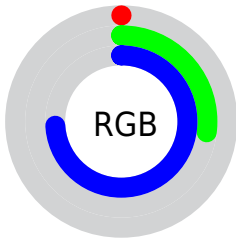
Format	Color
RYB	0, 51, 189
Decimal	18109
CIELab	34.00, 30.47, -67.00
CIELCh	34, 73.600, 294.458
Yxy	8.0082, 0.1658, 0.1173
Android (android.graphics.Color)	4278208189 (0xFF0046BD)
YUV	62.6360, 62.2975, -54.9318
Hunter-Lab	28.2988, 21.8689, -82.7278

Details

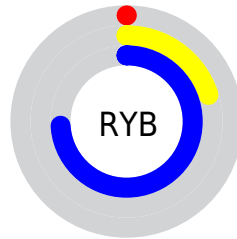
The CIELCh color **34, 73.600, 294.458** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **56, 65.830, 72.162**, and the grayscale version is **26, 0.004, 296.813**.

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, 73.593, 294.494**, and if you desaturate by 10%, it is **37, 65.607, 290.787**.

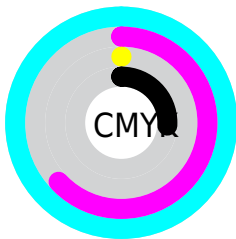
Distribution



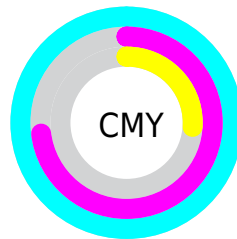
- Red (0%)
- Green (27%)
- Blue (74%)



- 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, 73.600, 294.458 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, 73.600, 294.458 by changing the saturation by 10% instead.

 34, 73.600,
294.458

 34, 73.600,
294.458

 100, 73.600,
294.458


 24, 73.600,
294.458

 54, 73.600,
294.458

 14, 73.600,
294.458

 64, 73.600,
294.458

 4, 73.600, 294.458

 74, 73.600,
294.458

 0, 73.600, 294.458

 84, 73.600,
294.458

 94, 73.600,
294.458

■ 34, 73.600,
294.458

■ 34, 73.600,
294.458

■ 34, 73.593,
294.494

■ 37, 65.607,
290.787

■ 41, 57.738,
287.000

■ 45, 50.062,
283.425

■ 49, 42.578,
280.189

■ 54, 35.250,
277.342

■ 58, 28.037,
274.882

■ 63, 20.915,
272.776

■ 67, 13.871,

270.981

■ 72, 6.901, 269.459

Harmonies

Complementary

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



34, 73.600, 294.458



56, 65.830, 72.162

Rectangle

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



34, 73.600, 294.458



34, 73.600, 344.458



34, 73.600, 114.458



34, 73.600, 164.458

Sweetspot

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



34, 73.593, 294.494



80, 25.842, 272.870



68, 62.431, 155.807



40, 17.664, 273.724



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, 73.593, 294.494



44, 91.010, 295.124



23, 106.030, 306.690



37, 3.909, 269.370



28, 63.640, 293.959



3, 13.060, 277.018

Inverse Universe

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



40, 68.118, 14.681



52, 83.059, 15.652



73, 78.029, 109.961



37, 4.589, 352.114



33, 59.621, 13.879



3, 13.138, 358.997

Previews

White Background



This preview shows how the CIELCh color 34, 73.600, 294.458 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, 73.600, 294.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

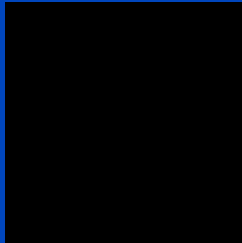
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 73.600, 294.458

Background



This preview shows how black text looks on a background with the CIELCh color 34, 73.600, 294.458.



This preview shows how white text looks on a background with the CIELCh color 34, 73.600, 294.458.

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, 73.600, 294.458

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 38.108, 273.052



Tritanopia
34, 22.603, 204.647

Trichromacy



Original Color
34, 73.600, 294.458

Protanomaly
34, 61.218, 289.952

Deuteranomaly
34, 50.537, 284.105

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, 73.600, 294.458 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, 73.600, 294.458 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, 73.600, 294.458 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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