

Converting Colors

CIELCh(34, 70.572, 295.134)

Have a look what the booklet for
CIELCh(34, 70.572, 295.134)
contains.

CIELCh(34, 70.594, 295.264)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 70.594, 295.264)

Conversions

Conversions Part 1

Format	Color
Hex	1E45B7
RGB	30, 69, 183
RGB Percent	12%, 27%, 72%
CMY	0.8829, 0.7281, 0.2807
CMYK	0.84, 0.62, 0.00, 0.28
HSL	225°, 72%, 42%
HSV	225°, 84%, 72%
XYZ	11.2709, 8.0082, 45.9797
YIQ	70.3350, -59.8380, 27.1860

Conversions

Conversions Part 2

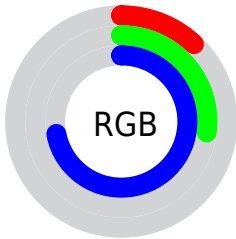
Format	Color
R_{YB}	30, 61, 183
Decimal	1983927
CIE _{Lab}	34.00, 30.13, -63.84
CIE _{LCh}	34, 70.594, 295.264
Yxy	8.0082, 0.1727, 0.1227
Android (android.graphics.Color)	4280174007 (0xFF1E45B7)
YUV	70.3350, 55.5438, -35.3738
Hunter-Lab	28.2988, 21.5703, -76.5249

Details

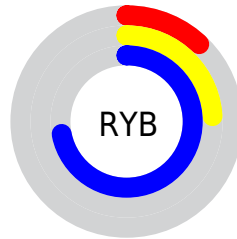
The CIELCh color **34, 70.594, 295.264** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **62, 60.491, 85.705**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 70.487, 295.245**, and **17, 67.996, 301.286** is the 20% darker color. If you saturate the color by 10%, you get **30, 79.777, 298.473**, and if you desaturate by 10%, it is **38, 61.307, 292.050**.

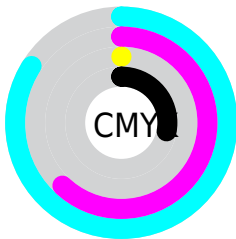
Distribution



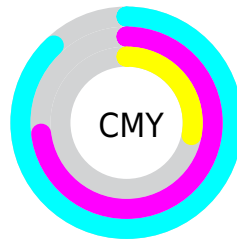
- Red (12%)
- Green (27%)
- Blue (72%)



- Red (12%)
- Yellow (24%)
- Blue (72%)



- Cyan (84%)
- Magenta (62%)
- Yellow (0%)
- Black (28%)





- Cyan (88%)
- Magenta (73%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 70.594, 295.264 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, 70.594, 295.264 by changing the saturation by 10% instead.


 34, 70.594,
295.264

 34, 70.594,
295.264

 100, 70.594,
295.264

 24, 70.594,
295.264

 54, 70.594,
295.264

 14, 70.594,
295.264

 64, 70.594,
295.264

 4, 70.594, 295.264

 74, 70.594,
295.264

 0, 70.594, 295.264

 84, 70.594,
295.264

 94, 70.594,
295.264

■ 34, 70.594,
295.264

■ 34, 70.594,
295.264

■ 30, 79.777,
298.473

■ 38, 61.307,
292.050

■ 28, 85.287,
300.297

■ 43, 52.197,
289.021

■ 48, 43.358,
286.288

■ 53, 34.795,
283.889

■ 58, 26.484,
281.816

■ 63, 18.398,
280.038

■ 68, 10.516,
278.519

■ 73, 2.823, 277.255

Harmonies

Complementary

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



34, 70.594, 295.264



62, 60.491, 85.705

Rectangle

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



34, 70.594, 295.264



34, 70.594, 345.264



34, 70.594, 115.264



34, 70.594, 165.264

Sweetspot

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



34, 70.594, 295.265



79, 24.153, 280.322



67, 48.541, 167.827



40, 16.540, 280.926



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



34, 70.594, 295.265



37, 105.945, 300.813



28, 92.040, 307.073



36, 4.325, 277.929



23, 74.578, 299.898



2, 12.571, 281.231

Inverse Universe

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



40, 62.744, 16.573



50, 86.212, 25.900



70, 73.105, 115.511



36, 4.234, 359.818



32, 61.669, 24.045



2, 11.066, 4.171

Previews

White Background



This preview shows how the CIE LCh color 34, 70.594, 295.264 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, 70.594, 295.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

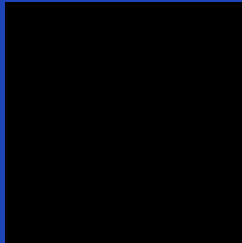
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 70.594, 295.264

Background



This preview shows how black text looks on a background with the CIELCh color 34, 70.594, 295.264.



This preview shows how white text looks on a background with the CIELCh color 34, 70.594, 295.264.

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, 70.579, 295.338

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.576, 272.452



Tritanopia
34, 22.603, 204.647

Trichromacy



Original Color
34, 70.579, 295.338

Protanomaly
34, 59.980, 290.003

Deuteranomaly
33, 49.334, 284.406

Tritanomaly
33, 31.151, 265.028

Monochromacy



Original Color
34, 70.579, 295.338

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 26.985, 285.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 70.594, 295.264 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(30, 69, 183)` looks like.

```
.text, #text, p{  
    color:rgb(30, 69, 183)  
}
```

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(30, 69, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 69, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 70.594, 295.264 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(30, 69, 183) }
```

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

```
.border{ border-color:rgb(30, 69, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 69, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 69, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 69, 183);  
box-shadow:4px 4px 4px 4px rgb(30, 69,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 70.594, 295.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 69, 183) }
```

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

```
.background{ background-color: rgb(30, 69,  
183) }
```

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