

Converting Colors

CIELCh(34, 83.664, 302.017)

Have a look what the booklet for
CIELCh(34, 83.664, 302.017)
contains.

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Color

CIELCh(34, 84.100, 302.158)

Conversions

Conversions Part 1

Format	Color
Hex	3D3AC4
RGB	61, 58, 196
RGB Percent	24%, 23%, 77%
CMY	0.7606, 0.7725, 0.2313
CMYK	0.69, 0.70, 0.00, 0.23
HSL	241°, 54%, 50%
HSV	241°, 70%, 77%
XYZ	13.4076, 8.0082, 53.0789
YIQ	74.6290, -42.5100, 43.5540

Conversions

Conversions Part 2

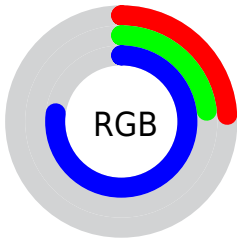
Format	Color
R_{YB}	61, 58, 196
Decimal	4012740
CIE _{Lab}	34.00, 44.76, -71.20
CIE _{LCh}	34, 84.100, 302.158
Yxy	8.0082, 0.1800, 0.1075
Android (android.graphics.Color)	4282202820 (0xFF3D3AC4)
YUV	74.6290, 59.8359, -11.9526
Hunter-Lab	28.2988, 35.0480, -91.3987

Details

The CIELCh color **34, 84.100, 302.158** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **77, 67.332, 105.046**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 83.921, 302.107**, and **17, 81.443, 304.737** is the 20% darker color. If you saturate the color by 10%, you get **29, 95.724, 304.084**, and if you desaturate by 10%, it is **40, 71.353, 300.071**.

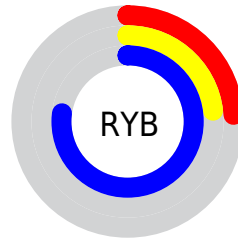
Distribution



Red (24%)

Green (23%)

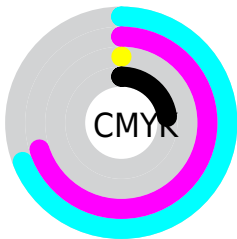
Blue (77%)



Red (24%)

Yellow (23%)

Blue (77%)

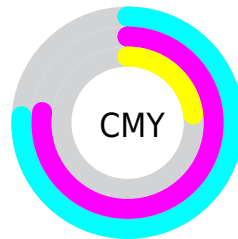


Cyan (69%)

Magenta (70%)

Yellow (0%)

Black (23%)



Cyan (76%)


Magenta (77%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 84.100, 302.158 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, 84.100, 302.158 by changing the saturation by 10% instead.


 34, 84.100,
302.158


 34, 84.100,
302.158

 100, 84.100,
302.158


 24, 84.100,
302.158

 54, 84.100,
302.158


 14, 84.100,
302.158


 64, 84.100,
302.158

 4, 84.100, 302.158

 74, 84.100,
302.158

 0, 84.100, 302.158

 84, 84.100,
302.158

 94, 84.100,
302.158

■ 34, 84.100,
302.158

■ 34, 84.100,
302.158

■ 29, 95.724,
304.084

■ 40, 71.353,
300.071

■ 26, 104.582,
305.523

■ 46, 58.476,
298.052

■ 24, 109.674,
306.347

■ 52, 45.917,
296.223

■ 59, 33.826,
294.622

■ 66, 22.230,
293.247

■ 72, 11.108,
292.078

■ 79, 0.430, 291.206

■ 85, 9.839, 110.226

■ 92, 19.729,
109.507

Harmonies

Complementary

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



34, 84.100, 302.158



77, 67.332, 105.046

Rectangle

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



34, 84.100, 302.158



34, 84.100, 352.158



34, 84.100, 122.158



34, 84.100, 172.158

Sweetspot

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



34, 84.101, 302.159



83, 28.382, 293.366



72, 36.366, 198.713



42, 19.322, 293.735



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, 84.101, 302.159



37, 122.550, 304.873



41, 81.765, 312.900



37, 5.986, 291.967



18, 94.604, 306.364



1, 19.485, 291.728

Inverse Universe

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



50, 81.086, 328.483



61, 109.235, 328.883



72, 73.919, 126.881



38, 7.119, 325.522



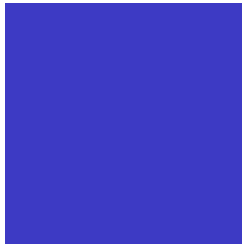
38, 80.429, 329.112



4, 23.732, 327.076

Previews

White Background



This preview shows how the CIE LCh color 34, 84.100, 302.158 looks on a white background.

Color Contrast Check

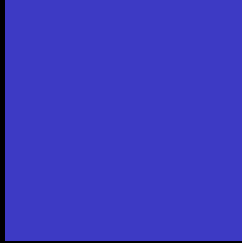
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.100, 302.158 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, 84.100, 302.158

Background



This preview shows how black text looks on a background with the CIELCh color 34, 84.100, 302.158.



This preview shows how white text looks on a background with the CIELCh color 34, 84.100, 302.158.

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, 84.100, 302.158

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.576, 272.452



Tritanopia
34, 22.345, 206.448

Trichromacy



Original Color
34, 84.100, 302.158

Protanomaly
33, 64.856, 293.102

Deuteranomaly
33, 54.707, 288.964

Tritanomaly
32, 35.456, 275.157

Monochromacy



Original Color
34, 84.100, 302.158

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 31.753, 296.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 84.100, 302.158 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(61, 58, 196)` looks like.

```
.text, #text, p{  
    color:rgb(61, 58, 196)  
}
```

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(61, 58, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 58, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 84.100, 302.158 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(61, 58, 196) }
```

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

```
.border{ border-color:rgb(61, 58, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 58, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 58, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 58, 196);  
box-shadow:4px 4px 4px 4px rgb(61, 58,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 84.100, 302.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 58, 196) }
```

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

```
.background{ background-color: rgb(61, 58,  
196) }
```

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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