

Converting Colors

CIELCh(34, 85.444, 306.222)

Have a look what the booklet for
CIELCh(34, 85.444, 306.222)
contains.

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Color

CIELCh(34, 85.111, 306.113)

Conversions

Conversions Part 1

Format	Color
Hex	5333C0
RGB	83, 51, 192
RGB Percent	33%, 20%, 75%
CMY	0.6746, 0.8001, 0.2472
CMYK	0.57, 0.73, 0.00, 0.25
HSL	254°, 58%, 48%
HSV	254°, 73%, 75%
XYZ	14.2595, 8.0082, 50.6484
YIQ	76.6420, -26.1890, 50.6350

Conversions

Conversions Part 2

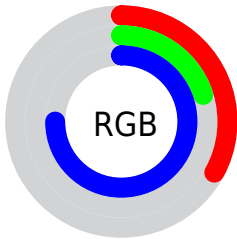
Format	Color
R_{YB}	83, 51, 192
Decimal	5452736
CIE _{Lab}	34.00, 50.16, -68.76
CIE _{LCh}	34, 85.111, 306.113
Yxy	8.0082, 0.1956, 0.1098
Android (android.graphics.Color)	4283642816 (0xFF5333C0)
YUV	76.6420, 56.8715, 5.5760
Hunter-Lab	28.2988, 40.4217, -86.3063

Details

The CIELCh color **34, 85.111, 306.113** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **73, 69.749, 115.092**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 85.243, 306.075**, and **14, 84.316, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 95.282, 306.973**, and if you desaturate by 10%, it is **39, 73.453, 305.021**.

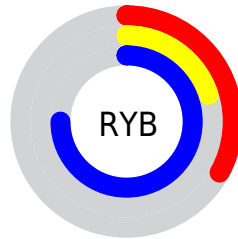
Distribution



Red (33%)

Green (20%)

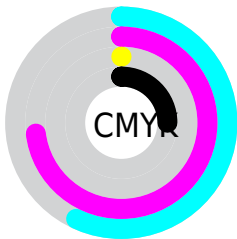
Blue (75%)



Red (33%)

Yellow (20%)

Blue (75%)

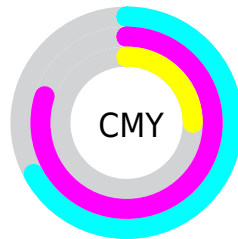


Cyan (57%)

Magenta (73%)

Yellow (0%)

Black (25%)



Cyan (67%)


Magenta (80%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 85.111, 306.113 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, 85.111, 306.113 by changing the saturation by 10% instead.


 34, 85.111,
306.113


 34, 85.111,
306.113


 100, 85.111,
306.113


 24, 85.111,
306.113


 54, 85.111,
306.113


 14, 85.111,
306.113


 64, 85.111,
306.113

 4, 85.111, 306.113

 74, 85.111,
306.113

 0, 85.111, 306.113

 84, 85.111,
306.113

 94, 85.111,
306.113

■ 34, 85.111,
306.113

■ 34, 85.111,
306.113

■ 30, 95.282,
306.973

■ 39, 73.453,
305.021

■ 26, 102.682,
307.386

■ 45, 61.252,
303.861

■ 25, 106.112,
307.482

■ 51, 49.048,
302.738

■ 57, 37.106,
301.703

■ 63, 25.537,
300.776

■ 69, 14.375,
299.960

■ 76, 3.623, 299.246

■ 82, 6.737, 118.640

■ 88, 16.724,
118.108

Harmonies

Complementary

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



34, 85.111, 306.113



73, 69.749, 115.092

Rectangle

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



34, 85.111, 306.113



34, 85.111, 356.113



34, 85.111, 126.113



34, 85.111, 176.113

Sweetspot

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



34, 85.111, 306.114



81, 29.623, 300.682



62, 32.085, 230.113



41, 20.002, 300.920



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



34, 85.111, 306.114



37, 122.061, 307.286



43, 82.676, 318.769



38, 6.063, 299.658



20, 92.863, 307.581



1, 19.640, 297.246

Inverse Universe

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



47, 71.266, 336.917



57, 94.217, 338.574



70, 79.527, 132.702



38, 6.169, 332.051



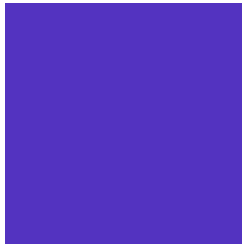
36, 68.800, 339.692



4, 19.521, 335.997

Previews

White Background



This preview shows how the CIELCh color 34, 85.111, 306.113 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, 85.111, 306.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

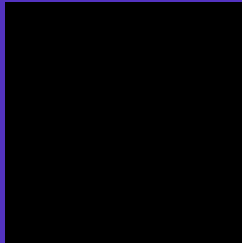
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 85.111, 306.113

Background



This preview shows how black text looks on a background with the CIELCh color 34, 85.111, 306.113.



This preview shows how white text looks on a background with the CIELCh color 34, 85.111, 306.113.

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, 85.111, 306.113

Protanomaly
33, 66.088, 294.488

Tritanomaly
32, 35.383, 289.304

Monochromacy



Original Color
34, 85.111, 306.113

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 32.590, 302.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 85.111, 306.113 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(83, 51, 192)` looks like.

```
.text, #text, p{  
    color:rgb(83, 51, 192)  
}
```

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(83, 51, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 51, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 85.111, 306.113 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(83, 51, 192) }
```

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

```
.border{ border-color:rgb(83, 51, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 51, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 51, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 51, 192);  
box-shadow:4px 4px 4px 4px rgb(83, 51,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 85.111, 306.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 51, 192) }
```

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

```
.background{ background-color: rgb(83, 51,  
192) }
```

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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