

Converting Colors

CIELCh(57, 33.630, 293.949)

Have a look what the booklet for
CIELCh(57, 33.630, 293.949)
contains.

CIELCh(57, 33.719, 294.002)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(57, 33.719, 294.002)

Conversions

Conversions Part 1

Format	Color
Hex	8383BE
RGB	131, 131, 190
RGB Percent	51%, 51%, 75%
CMY	0.4848, 0.4848, 0.2533
CMYK	0.31, 0.31, 0.00, 0.25
HSL	240°, 31%, 63%
HSV	240°, 31%, 75%
XYZ	26.9230, 24.9227, 52.3347
YIQ	137.7260, -18.9390, 18.3490

Conversions

Conversions Part 2

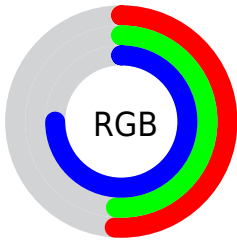
Format	Color
RYB	131, 131, 190
Decimal	8618942
CIELab	57.00, 13.72, -30.80
CIElCh	57, 33.719, 294.002
Yxy	24.9227, 0.2584, 0.2392
Android (android.graphics.Color)	4286809022 (0xFF8383BE)
YUV	137.7260, 25.7711, -5.8987
Hunter-Lab	49.9226, 8.8994, -27.2088

Details

The CIELCh color $57, 33.719, 294.002$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $76, 31.277, 107.216$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 33.909, 293.766$, and $37, 33.366, 293.639$ is the 20% darker color. If you saturate the color by 10%, you get $51, 45.557, 295.688$, and if you desaturate by 10%, it is $64, 22.367, 292.557$.

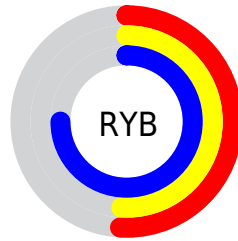
Distribution



Red (51%)

Green (51%)

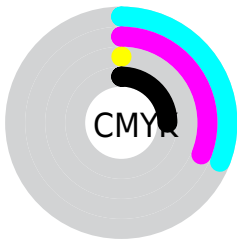
Blue (75%)



Red (51%)

Yellow (51%)

Blue (75%)

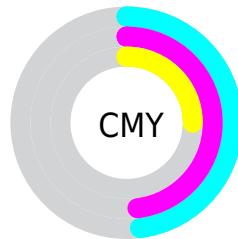


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (25%)



Cyan (48%)

Magenta (48%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 33.719, 294.002 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 57, 33.719, 294.002 by changing the saturation by 10% instead.

■ 57, 33.719,
294.002

■ 57, 33.719,
294.002

■ 100, 33.719,
294.002

■ 47, 33.719,
294.002

■ 77, 33.719,
294.002

■ 37, 33.719,
294.002

■ 87, 33.719,
294.002

■ 27, 33.719,
294.002

■ 97, 33.719,
294.002

■ 17, 33.719,
294.002

■ 7, 33.719, 294.002

■ 0, 33.719, 294.002

■ 57, 33.719,
294.002

■ 57, 33.719,
294.002

■ 51, 45.557,
295.688

■ 64, 22.367,
292.557

■ 44, 57.861,
297.618

■ 70, 11.483,
291.330

■ 38, 70.477,
299.749

■ 76, 1.034, 290.342

■ 32, 82.950,
301.950

■ 83, 9.015, 109.390

■ 28, 94.256,
303.970

■ 89, 18.694,
108.640

■ 25, 102.738,
305.471

■ 96, 28.028,
107.996

■ 23, 107.422,
306.288

■ 99, 32.512,
107.703

Harmonies

Complementary

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



57, 33.719, 294.002



76, 31.277, 107.216

Rectangle

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



57, 33.719, 294.002



57, 33.719, 344.002



57, 33.719, 114.002



57, 33.719, 164.002

Sweetspot

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



57, 33.718, 294.002



90, 11.577, 291.124



73, 19.861, 197.892



47, 8.133, 291.287



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



57, 33.718, 294.002



68, 50.477, 295.085



60, 35.075, 310.570



36, 5.854, 291.147



18, 93.614, 306.288



1, 17.439, 290.644

Inverse Universe

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



63, 39.025, 326.111



76, 57.312, 326.447



74, 33.593, 127.635



37, 7.067, 324.935



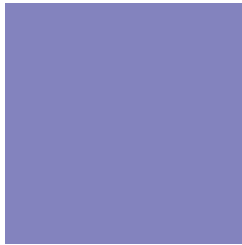
37, 80.835, 328.242



3, 21.485, 325.468

Previews

White Background



This preview shows how the CIELCh color 57, 33.719, 294.002 looks on a white background.

Color Contrast Check

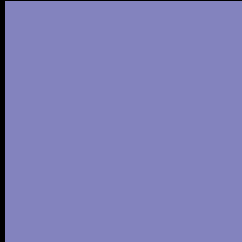
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 57, 33.719, 294.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

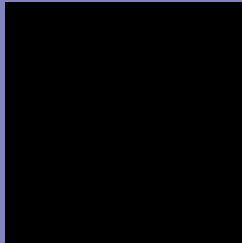
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 33.719, 294.002

Background



This preview shows how black text looks on a background with the CIELCh color 57, 33.719, 294.002.



This preview shows how white text looks on a background with the CIELCh color 57, 33.719, 294.002.

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

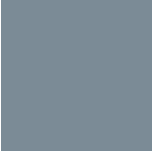
57, 33.719, 294.002

Protanopia

57, 33.254, 285.250

Deuteranopia

57, 31.588, 284.511



Tritanopia
57, 8.479, 246.984

Trichromacy



Original Color
57, 33.719, 294.002

Protanomaly
57, 33.122, 288.410

Deuteranomaly
57, 32.000, 288.057

Tritanomaly
57, 16.828, 280.038

Monochromacy



Original Color
57, 33.719, 294.002

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 11.982, 291.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 33.719, 294.002 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(131, 131, 190)` looks like.

```
.text, #text, p{  
    color:rgb(131, 131, 190)  
}
```

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(131, 131, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 131, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 33.719, 294.002 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(131, 131, 190) }
```

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

```
.border{ border-color:rgb(131, 131, 190) }
```

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

Here you see how a box with a 4 pixel rgb(131, 131, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 131, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 131, 190);  
box-shadow:4px 4px 4px 4px rgb(131, 131,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 33.719, 294.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 131, 190) }
```

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

```
.background{ background-color: rgb(131,  
131, 190) }
```

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