

Converting Colors

CIELCh(67, 33.922, 285.109)

Have a look what the booklet for
CIELCh(67, 33.922, 285.109)
contains.

CIELCh(67, 33.886, 285.081)	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(67, 33.886, 285.081)

Conversions

Conversions Part 1

Format	Color
Hex	91A1DE
RGB	145, 161, 222
RGB Percent	57%, 63%, 87%
CMY	0.4326, 0.3698, 0.1307
CMYK	0.35, 0.28, 0.00, 0.13
HSL	228°, 54%, 72%
HSV	228°, 35%, 87%
XYZ	37.4557, 36.6320, 73.9763
YIQ	163.1700, -29.1170, 15.5790

Conversions

Conversions Part 2

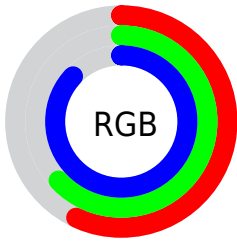
Format	Color
RYB	145, 158, 222
Decimal	9544158
CIELab	67.00, 8.82, -32.72
CIELCh	67, 33.886, 285.081
Yxy	36.6320, 0.2530, 0.2474
Android (android.graphics.Color)	4287734238 (0xFF91A1DE)
YUV	163.1700, 29.0032, -15.9351
Hunter-Lab	60.5244, 4.5477, -30.1005

Details

The CIELCh color `67, 33.886, 285.081` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `83, 32.560, 95.802`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 20.895, 278.300`, and `47, 33.898, 285.139` is the 20% darker color. If you saturate the color by 10%, you get `61, 44.344, 287.155`, and if you desaturate by 10%, it is `73, 23.764, 283.303`.

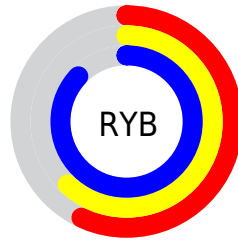
Distribution



Red (57%)

Green (63%)

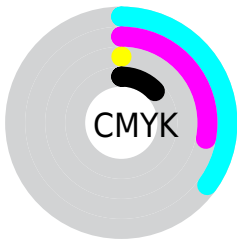
Blue (87%)



Red (57%)

Yellow (62%)

Blue (87%)

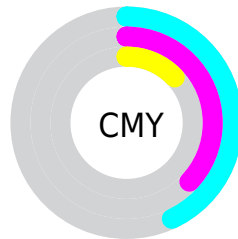


Cyan (35%)

Magenta (28%)

Yellow (0%)

Black (13%)



Cyan (43%)

Magenta (37%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 33.886, 285.081 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 67, 33.886, 285.081 by changing the saturation by 10% instead.

■ 67, 33.886,
285.081

■ 67, 33.886,
285.081

■ 100, 33.886,
285.081

■ 57, 33.886,
285.081

■ 87, 33.886,
285.081

■ 47, 33.886,
285.081

■ 97, 33.886,
285.081

■ 37, 33.886,
285.081

■ 27, 33.886,
285.081

■ 17, 33.886,
285.081

■ 7, 33.886, 285.081

■ 0, 33.886, 285.081

67, 33.886,
285.081

67, 33.886,
285.081

61, 44.344,
287.155

73, 23.764,
283.303

55, 55.173,
289.550

79, 13.952,
281.786

49, 66.378,
292.258

85, 4.423, 280.511

43, 77.882,
295.214

92, 4.843, 99.317

98, 13.825, 99.173

38, 89.399,
298.264

99, 16.854,
108.903

34, 100.284,
301.162

32, 105.458,
302.488

Harmonies

Complementary

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



67, 33.886, 285.081



83, 32.560, 95.802

Rectangle

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



67, 33.886, 285.081



67, 33.886, 335.081



67, 33.886, 105.081



67, 33.886, 155.081

Sweetspot

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



67, 33.885, 285.081



93, 10.546, 281.161



83, 27.398, 178.643



49, 7.209, 281.346



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 33.885, 285.081



71, 46.467, 286.629



65, 43.607, 303.697



43, 5.293, 281.078



25, 86.535, 302.051



4, 25.393, 289.911

Inverse Universe

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



68, 31.440, 6.734



73, 43.102, 8.058



85, 40.536, 119.102



43, 4.808, 3.469



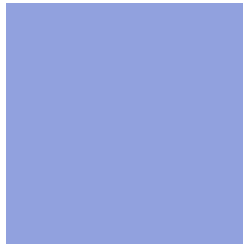
36, 69.077, 28.571



5, 23.750, 11.281

Previews

White Background



This preview shows how the CIELCh color 67, 33.886, 285.081 looks on a white 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

Black Background



This preview shows how the CIELCh color 67, 33.886, 285.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

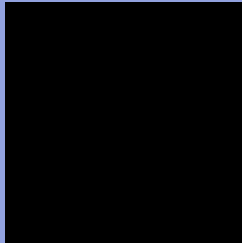
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 33.886, 285.081

Background



This preview shows how black text looks on a background with the CIELCh color 67, 33.886, 285.081.



This preview shows how white text looks on a background with the CIELCh color 67, 33.886, 285.081.

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

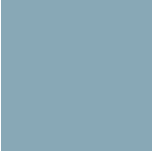
67, 33.886, 285.081

Protanopia

67, 33.886, 285.081

Deuteranopia

67, 33.886, 285.081



Tritanopia
67, 13.281, 234.482

Trichromacy



Original Color
67, 33.886, 285.081

Protanomaly
67, 33.886, 285.081

Deuteranomaly
67, 33.886, 285.081

Tritanomaly
67, 18.917, 264.586

Monochromacy



Original Color
67, 33.886, 285.081

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 12.305, 281.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 33.886, 285.081 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(145, 161, 222)` looks like.

```
.text, #text, p{  
    color:rgb(145, 161, 222)  
}
```

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(145, 161, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 161, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 33.886, 285.081 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(145, 161, 222) }
```

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

```
.border{ border-color:rgb(145, 161, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 161, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 161, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 161, 222); box-shadow:4px 4px 4px 4px rgb(145, 161, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 33.886, 285.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 161, 222) }
```

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

```
.background{ background-color: rgb(145,  
161, 222) }
```

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