

Converting Colors

CIELCh(71, 32.412, 278.421)

Have a look what the booklet for
CIELCh(71, 32.412, 278.421)
contains.

CIELCh(71, 32.398, 278.334)	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(71, 32.398, 278.334)

Conversions

Conversions Part 1

Format	Color
Hex	93AEE8
RGB	147, 174, 232
RGB Percent	58%, 68%, 91%
CMY	0.4244, 0.3185, 0.0911
CMYK	0.37, 0.25, 0.00, 0.09
HSL	221°, 65%, 74%
HSV	221°, 37%, 91%
XYZ	41.6233, 42.1875, 82.1267
YIQ	172.5390, -34.7100, 12.3140

Conversions

Conversions Part 2

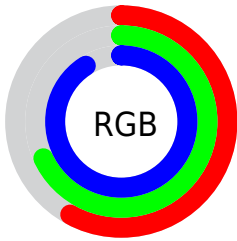
Format	Color
R_{YB}	147, 167, 232
Decimal	9678568
CIE _{Lab}	71.00, 4.70, -32.06
CIE _{LCh}	71, 32.398, 278.334
Yxy	42.1875, 0.2508, 0.2542
Android (android.graphics.Color)	4287868648 (0xFF93AEE8)
YUV	172.5390, 29.3143, -22.3977
Hunter-Lab	64.9519, 0.7227, -29.5013

Details

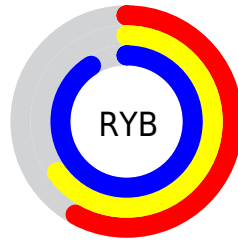
The CIELCh color `71, 32.398, 278.334` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `83, 32.393, 87.596`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 15.775, 258.402`, and `51, 32.223, 278.178` is the 20% darker color. If you saturate the color by 10%, you get `65, 41.639, 280.647`, and if you desaturate by 10%, it is `77, 23.345, 276.354`.

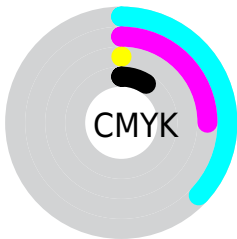
Distribution



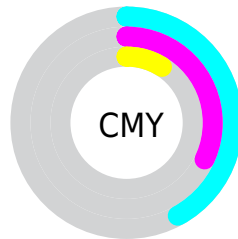
- Red (58%)
- Green (68%)
- Blue (91%)



- Red (58%)
- Yellow (65%)
- Blue (91%)



- Cyan (37%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)





- Cyan (42%)
- Magenta (32%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 32.398, 278.334 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 71, 32.398, 278.334 by changing the saturation by 10% instead.


 71, 32.398,
278.334


 71, 32.398,
278.334


 100, 32.398,
278.334


 61, 32.398,
278.334


 91, 32.398,
278.334

 51, 32.398,
278.334

 41, 32.398,
278.334

 31, 32.398,
278.334

 21, 32.398,
278.334

 11, 32.398,
278.334

 1, 32.398, 278.334

0, 32.398, 278.334

71, 32.398,
278.334

71, 32.398,
278.334

65, 41.639,
280.647

77, 23.345,
276.354

60, 51.104,
283.327

82, 14.463,
274.667

54, 60.832,
286.379

88, 5.741, 273.245

49, 70.843,
289.752

94, 2.828, 91.864

45, 81.079,
293.322

99, 10.708,
105.219

40, 91.310,
296.872

99, 11.754,
109.289

■ 39, 94.658,
297.961

Harmonies

Complementary

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



71, 32.398, 278.334



83, 32.393, 87.596

Rectangle

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



71, 32.398, 278.334



71, 32.398, 328.334



71, 32.398, 98.334



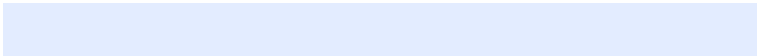
71, 32.398, 148.334

Sweetspot

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



71, 32.397, 278.333



93, 10.265, 273.836



86, 32.464, 169.927



49, 6.905, 274.030



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 32.397, 278.333



73, 42.315, 280.050



65, 47.577, 300.151



45, 4.860, 273.613



30, 76.493, 297.358



6, 25.943, 288.475

Inverse Universe

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



70, 35.556, 359.040



72, 46.278, 0.320



89, 43.576, 114.040



45, 5.242, 355.583



38, 66.507, 19.337



7, 26.679, 7.493

Previews

White Background



This preview shows how the CIELCh color 71, 32.398, 278.334 looks on a white background.

Color Contrast Check

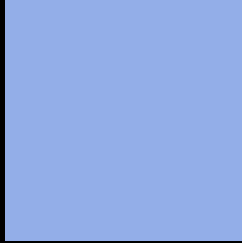
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 71, 32.398, 278.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

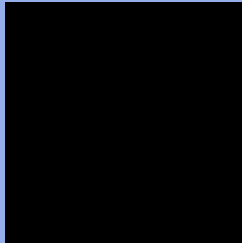
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

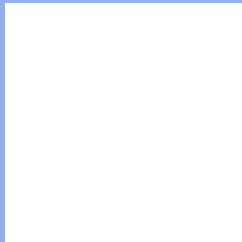
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 32.398, 278.334

Background



This preview shows how black text looks on a background with the CIELCh color 71, 32.398, 278.334.



This preview shows how white text looks on a background with the CIELCh color 71, 32.398, 278.334.

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

71, 32.398, 278.334

Protanopia

71, 32.393, 285.448

Deuteranopia

71, 33.465, 285.841



Tritanopia
71, 16.102, 226.931

Trichromacy



Original Color
71, 32.398, 278.334

Protanomaly
71, 32.555, 282.776

Deuteranomaly
71, 33.085, 283.025

Tritanomaly
71, 19.950, 254.482

Monochromacy



Original Color
71, 32.398, 278.334

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 11.925, 274.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 32.398, 278.334 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(147, 174, 232)` looks like.

```
.text, #text, p{  
    color:rgb(147, 174, 232)  
}
```

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(147, 174, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 174, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 32.398, 278.334 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(147, 174, 232) }
```

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

```
.border{ border-color:rgb(147, 174, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 174, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 174, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 174, 232);  
box-shadow:4px 4px 4px 4px rgb(147, 174,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 32.398, 278.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 174, 232) }
```

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

```
.background{ background-color: rgb(147,  
174, 232) }
```

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