

Converting Colors

CIELCh(70, 32.938, 270.640)

Have a look what the booklet for
CIELCh(70, 32.938, 270.640)
contains.

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Color

CIELCh(70, 32.643, 269.943)

Conversions

Conversions Part 1

Format	Color
Hex	83AEE6
RGB	131, 174, 230
RGB Percent	51%, 68%, 90%
CMY	0.4867, 0.3181, 0.0985
CMYK	0.43, 0.24, 0.00, 0.10
HSL	214°, 66%, 71%
HSV	214°, 43%, 90%
XYZ	38.7209, 40.7494, 80.5975
YIQ	167.5270, -43.6040, 8.3000

Conversions

Conversions Part 2

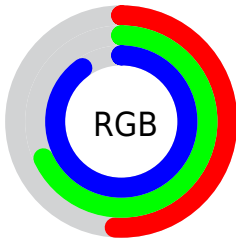
Format	Color
R_{YB}	131, 161, 230
Decimal	8629990
CIE _{Lab}	70.00, -0.03, -32.64
CIE _{LCh}	70, 32.643, 269.943
Yxy	40.7494, 0.2419, 0.2546
Android (android.graphics.Color)	4286820070 (0xFF83AEE6)
YUV	167.5270, 30.7992, -32.0342
Hunter-Lab	63.8353, -3.4380, -30.1740

Details

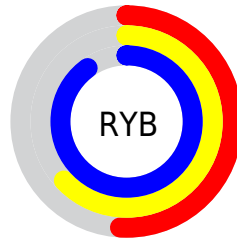
The CIELCh color `70, 32.643, 269.943` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `78, 35.130, 76.456`, and the grayscale version is `69, 0.008, 296.813`.

A 20% lighter version of the original color is `89, 18.785, 245.220`, and `50, 32.479, 269.476` is the 20% darker color. If you saturate the color by 10%, you get `65, 40.202, 272.665`, and if you desaturate by 10%, it is `75, 25.076, 267.626`.

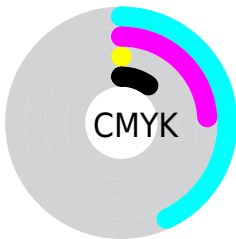
Distribution



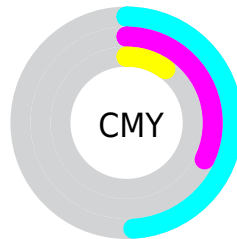
- Red (51%)
- Green (68%)
- Blue (90%)



- Red (51%)
- Yellow (63%)
- Blue (90%)



- Cyan (43%)
- Magenta (24%)
- Yellow (0%)
- Black (10%)





- Cyan (49%)
- Magenta (32%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 32.643, 269.943 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 70, 32.643, 269.943 by changing the saturation by 10% instead.


 70, 32.643,
269.943


 70, 32.643,
269.943


 100, 32.643,
269.943


 60, 32.643,
269.943


 90, 32.643,
269.943

 50, 32.643,
269.943

 40, 32.643,
269.943

 30, 32.643,
269.943

 20, 32.643,
269.943

 10, 32.643,
269.943

 0, 32.643, 269.943

70, 32.643,
269.943

70, 32.643,
269.943

65, 40.202,
272.665

75, 25.076,
267.626

61, 47.786,
275.829

80, 17.496,
265.667

56, 55.451,
279.433

85, 9.909, 264.015

90, 2.328, 262.713

52, 63.268,
283.413

95, 5.230, 81.282

48, 71.295,
287.615

99, 11.217,
103.572

45, 76.994,
290.475

99, 12.714,
109.217

Harmonies

Complementary

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



70, 32.643, 269.943



78, 35.130, 76.456

Rectangle

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



70, 32.643, 269.943



70, 32.643, 319.943



70, 32.643, 89.943



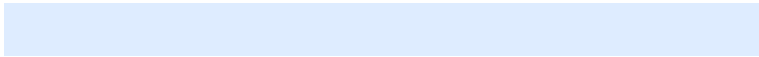
70, 32.643, 139.943

Sweetspot

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



70, 32.642, 269.943



93, 10.725, 264.017



84, 41.136, 161.969



48, 7.505, 264.359



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 32.642, 269.943



72, 42.854, 272.441



59, 56.070, 297.554



46, 4.302, 263.491



35, 62.617, 289.747



7, 22.110, 281.587

Inverse Universe

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



67, 43.601, 352.144



68, 56.755, 353.672



89, 50.041, 108.340



45, 5.609, 348.135



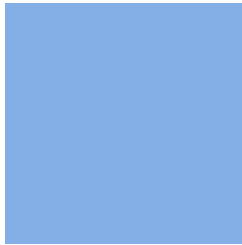
38, 64.626, 8.190



7, 27.091, 359.870

Previews

White Background



This preview shows how the CIE LCh color 70, 32.643, 269.943 looks on a white background.

Color Contrast Check

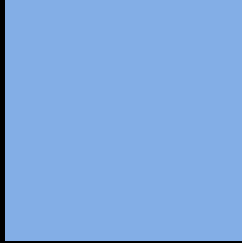
Large Text (above 18pt) WCAG AA × Fail

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 70, 32.643, 269.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

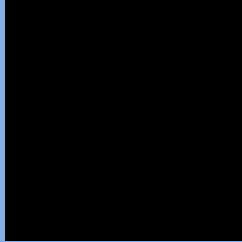
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

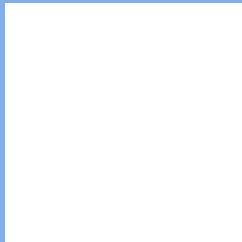
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 32.643, 269.943

Background



This preview shows how black text looks on a background with the CIELCh color 70, 32.643, 269.943.

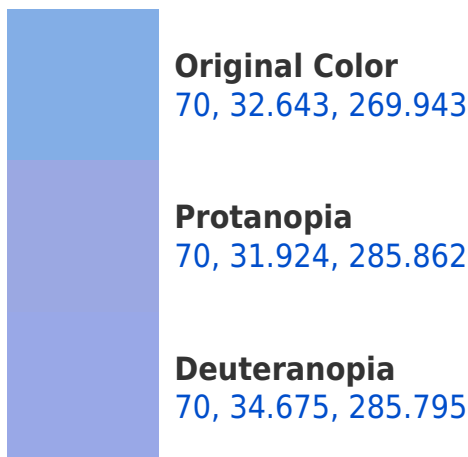


This preview shows how white text looks on a background with the CIELCh color 70, 32.643, 269.943.

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





Tritanopia
70, 20.482, 221.890

Trichromacy



Original Color
70, 32.643, 269.943

Protanomaly
70, 31.821, 279.662

Deuteranomaly
70, 33.974, 280.384

Tritanomaly
70, 22.862, 244.789

Monochromacy



Original Color
70, 32.643, 269.943

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 12.185, 263.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 32.643, 269.943 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, 174, 230)` looks like.

```
.text, #text, p{  
    color:rgb(131, 174, 230)  
}
```

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, 174, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 174, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 32.643, 269.943 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, 174, 230) }
```

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

```
.border{ border-color:rgb(131, 174, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 174, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 174, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 174, 230);  
box-shadow:4px 4px 4px 4px rgb(131, 174,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 32.643, 269.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 174, 230) }
```

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

```
.background{ background-color: rgb(131,  
174, 230) }
```

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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