

Converting Colors

CIELCh(69, 21.764, 255.670)

Have a look what the booklet for
CIELCh(69, 21.764, 255.670)
contains.

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Color

CIELCh(69, 21.764, 255.670)

Conversions

Conversions Part 1

Format	Color
Hex	85ADCE
RGB	133, 173, 206
RGB Percent	52%, 68%, 81%
CMY	0.4783, 0.3214, 0.1920
CMYK	0.35, 0.16, 0.00, 0.19
HSL	207°, 43%, 66%
HSV	207°, 35%, 81%
XYZ	35.7704, 39.3444, 64.1198
YIQ	164.8020, -34.4330, 1.7830

Conversions

Conversions Part 2

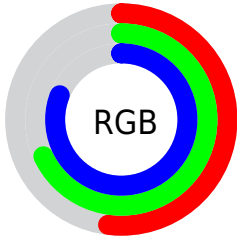
Format	Color
RYB	133, 159, 206
Decimal	8760782
CIELab	69.00, -5.39, -21.09
CIElCh	69, 21.764, 255.670
Yxy	39.3444, 0.2569, 0.2826
Android (android.graphics.Color)	4286950862 (0xFF85ADCE)
YUV	164.8020, 20.3106, -27.8904
Hunter-Lab	62.7251, -7.9754, -16.7007

Details

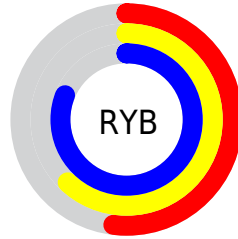
The CIELCh color $69, 21.764, 255.670$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $71, 24.797, 65.984$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 18.738, 247.828$, and $49, 21.867, 255.551$ is the 20% darker color. If you saturate the color by 10%, you get $65, 27.505, 258.022$, and if you desaturate by 10%, it is $73, 15.819, 253.714$.

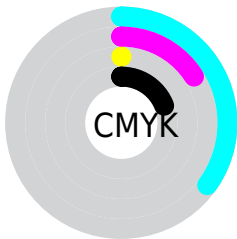
Distribution



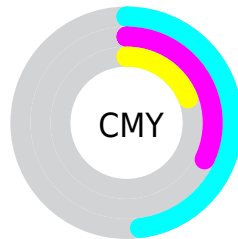
- Red (52%)
- Green (68%)
- Blue (81%)



- Red (52%)
- Yellow (62%)
- Blue (81%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)
- Black (19%)



- Cyan (48%)
- Magenta (32%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 21.764, 255.670 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 69, 21.764, 255.670 by changing the saturation by 10% instead.

■ 69, 21.764,
255.670

■ 69, 21.764,
255.670

■ 100, 21.764,
255.670

■ 59, 21.764,
255.670

■ 89, 21.764,
255.670

■ 49, 21.764,
255.670

■ 99, 21.764,
255.670

■ 39, 21.764,
255.670

■ 29, 21.764,
255.670

■ 19, 21.764,
255.670

■ 9, 21.764, 255.670

■ 0, 21.764, 255.670

69, 21.764,
255.670

69, 21.764,
255.670

65, 27.505,
258.022

73, 15.819,
253.714

62, 33.030,
260.841

77, 9.702, 252.099

81, 3.448, 250.814

58, 38.346,
264.182

85, 2.908, 69.409

55, 43.504,
268.067

89, 9.333, 68.541

52, 48.594,
272.452

92, 15.382, 69.480

95, 17.647, 87.908

49, 53.743,
277.199

97, 21.261,
100.975

47, 56.173,
279.326

99, 24.719,
108.303

Harmonies

Complementary

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



69, 21.764, 255.670



71, 24.797, 65.984

Rectangle

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



69, 21.764, 255.670



69, 21.764, 305.670



69, 21.764, 75.670



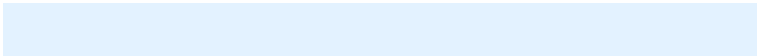
69, 21.764, 125.670

Sweetspot

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



69, 21.763, 255.668



95, 8.257, 251.500



77, 33.967, 157.758



50, 5.540, 251.685



0, 0.000, 0.000



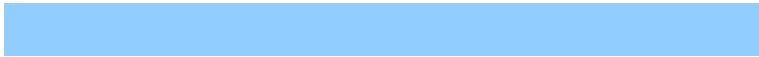
53, 0.007, 296.813

Same Dimension

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



69, 21.763, 255.668



80, 31.041, 257.541



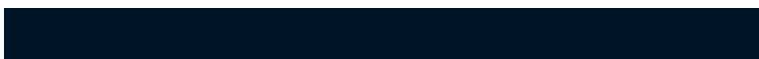
59, 39.276, 292.814



41, 3.558, 251.274



38, 47.110, 278.521



6, 14.258, 266.446

Inverse Universe

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



64, 35.042, 344.361



74, 50.317, 345.302



80, 36.261, 104.524



40, 5.488, 341.859



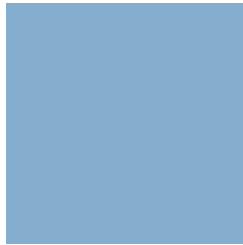
36, 62.147, 357.192



4, 20.443, 350.496

Previews

White Background



This preview shows how the CIELCh color 69, 21.764, 255.670 looks on a white background.

Color Contrast Check

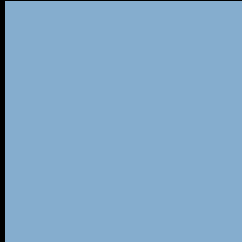
Large Text (above 18pt) WCAG AA × Fail

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 69, 21.764, 255.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

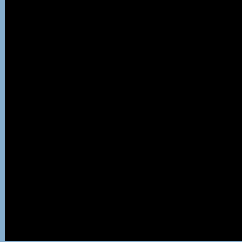
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

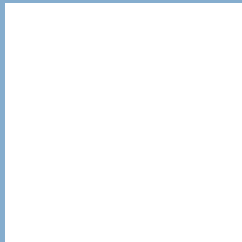
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 21.764, 255.670

Background



This preview shows how black text looks on a background with the CIELCh color 69, 21.764, 255.670.



This preview shows how white text looks on a background with the CIELCh color 69, 21.764, 255.670.

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

69, 21.764, 255.670

Protanopia

69, 19.311, 285.997

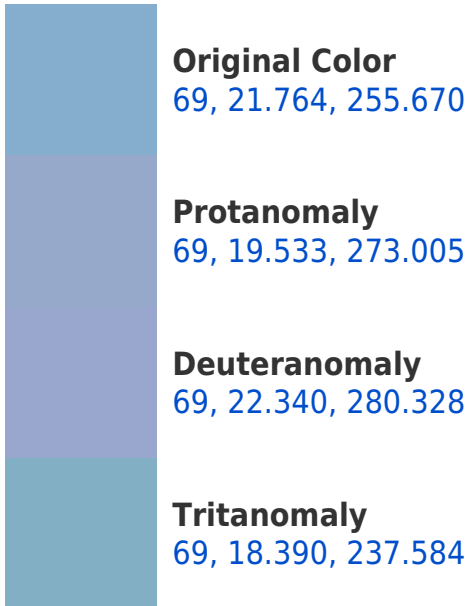
Deuteranopia

69, 24.222, 292.585

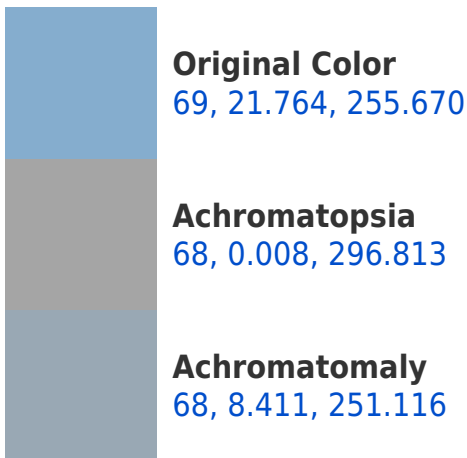


Tritanopia
69, 17.212, 225.009

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 21.764, 255.670 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(133, 173, 206)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 206)  
}
```

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(133, 173, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 21.764, 255.670 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(133, 173, 206) }
```

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

```
.border{ border-color:rgb(133, 173, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 173, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 206);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 21.764, 255.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 206) }
```

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

```
.background{ background-color: rgb(133,  
173, 206) }
```

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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