

Converting Colors

CIELCh(69, 22.181, 259.550)

Have a look what the booklet for
CIELCh(69, 22.181, 259.550)
contains.

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Color

CIELCh(69, 22.181, 259.550)

Conversions

Conversions Part 1

Format	Color
Hex	87ACCF
RGB	135, 172, 207
RGB Percent	53%, 67%, 81%
CMY	0.4692, 0.3241, 0.1868
CMYK	0.35, 0.17, 0.00, 0.19
HSL	209°, 43%, 67%
HSV	209°, 35%, 81%
XYZ	36.1772, 39.3444, 64.9567
YIQ	164.9270, -33.2870, 3.0410

Conversions

Conversions Part 2

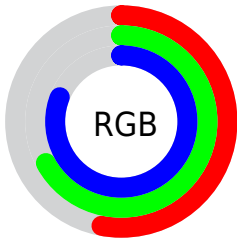
Format	Color
RYB	135, 159, 207
Decimal	8891599
CIELab	69.00, -4.02, -21.81
CIELCh	69, 22.181, 259.550
Yxy	39.3444, 0.2575, 0.2801
Android (android.graphics.Color)	4287081679 (0xFF87ACCF)
YUV	164.9270, 20.7420, -26.2460
Hunter-Lab	62.7251, -6.8175, -17.4918

Details

The CIELCh color **69, 22.181, 259.550** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **72, 24.662, 69.670**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 18.541, 251.190**, and **49, 22.351, 259.564** is the 20% darker color. If you saturate the color by 10%, you get **65, 28.288, 261.910**, and if you desaturate by 10%, it is **73, 15.928, 257.572**.

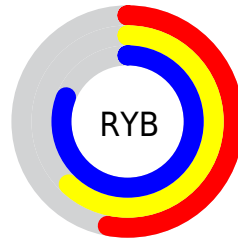
Distribution



Red (53%)

Green (67%)

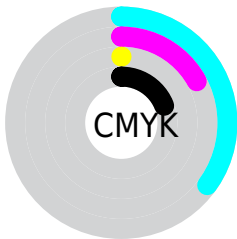
Blue (81%)



Red (53%)

Yellow (62%)

Blue (81%)

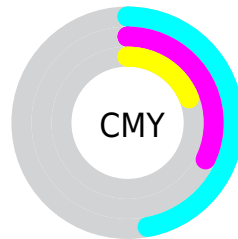


Cyan (35%)

Magenta (17%)

Yellow (0%)

Black (19%)



Cyan (47%)

Magenta (32%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 22.181, 259.550 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, 22.181, 259.550 by changing the saturation by 10% instead.

■ 69, 22.181,
259.550

■ 69, 22.181,
259.550

■ 100, 22.181,
259.550

■ 59, 22.181,
259.550

■ 89, 22.181,
259.550

■ 49, 22.181,
259.550

■ 99, 22.181,
259.550

■ 39, 22.181,
259.550

■ 29, 22.181,
259.550

■ 19, 22.181,
259.550

■ 9, 22.181, 259.550

■ 0, 22.181, 259.550

69, 22.181,
259.550

69, 22.181,
259.550

65, 28.288,
261.910

73, 15.928,
257.572

61, 34.243,
264.719

77, 9.555, 255.927

57, 40.062,
268.024

81, 3.088, 254.615

85, 3.444, 73.194

54, 45.797,
271.836

90, 10.014, 72.262

50, 51.533,
276.106

93, 15.532, 76.705

96, 18.685, 94.735

47, 57.381,
280.692

98, 23.093,
106.577

46, 60.563,
283.066

99, 24.047,
108.354

Harmonies

Complementary

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



69, 22.181, 259.550



72, 24.662, 69.670

Rectangle

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



69, 22.181, 259.550



69, 22.181, 309.550



69, 22.181, 79.550



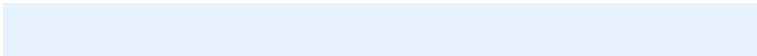
69, 22.181, 129.550

Sweetspot

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



69, 22.180, 259.548



95, 7.697, 255.272



78, 32.605, 159.482



50, 5.246, 255.467



0, 0.000, 0.000



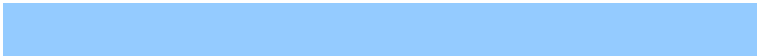
53, 0.007, 296.813

Same Dimension

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



69, 22.180, 259.548



80, 31.488, 261.348



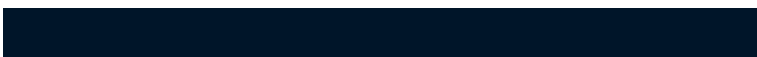
59, 40.093, 294.004



42, 3.719, 255.177



37, 51.111, 282.334



6, 15.907, 270.726

Inverse Universe

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



65, 33.827, 346.186



74, 48.236, 347.136



81, 36.866, 106.113



41, 5.471, 343.644



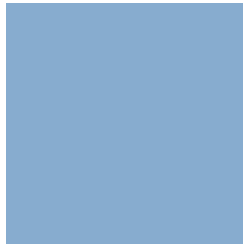
36, 62.281, 0.380



5, 21.955, 353.048

Previews

White Background



This preview shows how the CIELCh color 69, 22.181, 259.550 looks on a white background.

Color Contrast Check

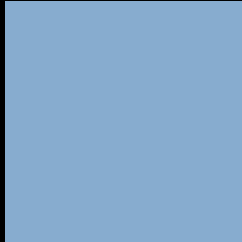
Large Text (above 18pt) WCAG AA × Fail

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 69, 22.181, 259.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

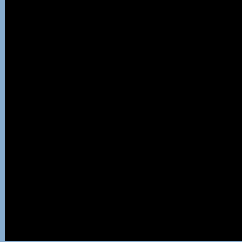
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

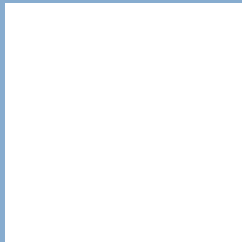
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 22.181, 259.550

Background



This preview shows how black text looks on a background with the CIELCh color 69, 22.181, 259.550.



This preview shows how white text looks on a background with the CIELCh color 69, 22.181, 259.550.

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

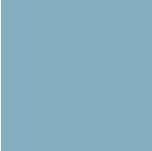
69, 22.181, 259.550

Protanopia

69, 20.401, 286.462

Deuteranopia

69, 24.194, 290.985



Tritanopia
69, 16.624, 228.302

Trichromacy



Original Color
69, 22.181, 259.550

Protanomaly
69, 20.935, 276.478

Deuteranomaly
69, 22.376, 279.492

Tritanomaly
69, 17.807, 241.624

Monochromacy



Original Color
69, 22.181, 259.550

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 8.200, 253.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 22.181, 259.550 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(135, 172, 207)` looks like.

```
.text, #text, p{  
    color:rgb(135, 172, 207)  
}
```

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(135, 172, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 172, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 22.181, 259.550 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(135, 172, 207) }
```

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

```
.border{ border-color:rgb(135, 172, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 172, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 172, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 172, 207);  
box-shadow:4px 4px 4px 4px rgb(135, 172,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 22.181, 259.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 172, 207) }
```

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

```
.background{ background-color: rgb(135,  
172, 207) }
```

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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