

# Converting Colors

CIELCh(69, 21.942, 222.655)

Have a look what the booklet for  
CIELCh(69, 21.942, 222.655)  
contains.

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# Color

**CIELCh(69, 22.019, 223.269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72B2C3
RGB	114, 178, 195
RGB Percent	45%, 70%, 76%
CMY	0.5530, 0.3021, 0.2354
CMYK	0.42, 0.09, 0.00, 0.24
HSL	193°, 40%, 61%
HSV	193°, 42%, 76%
XYZ	32.6980, 39.3444, 57.4843
YIQ	160.8020, -43.6010, -8.2810

# Conversions

## Conversions Part 2

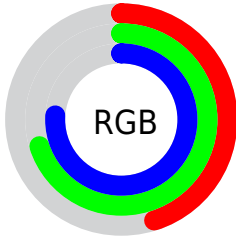
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 150, 195
Decimal	7516867
CIELab	69.00, -16.03, -15.09
CIElCh	69, 22.019, 223.269
Yxy	39.3444, 0.2524, 0.3038
Android (android.graphics.Color)	4285706947 (0xFF72B2C3)
YUV	160.8020, 16.8596, -41.0454
Hunter-Lab	62.7251, -16.7186, -10.4287

# Details

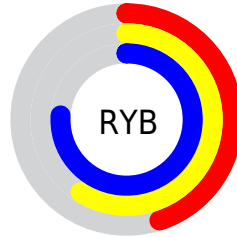
The CIELCh color **69, 22.019, 223.269** is a light color, and the websafe version is hex **669999**. A complement of this color would be **61, 29.683, 40.402**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 22.178, 223.412**, and **49, 22.007, 223.104** is the 20% darker color. If you saturate the color by 10%, you get **67, 26.035, 224.566**, and if you desaturate by 10%, it is **71, 17.413, 222.293**.

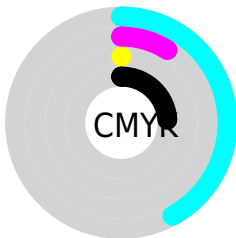
# Distribution



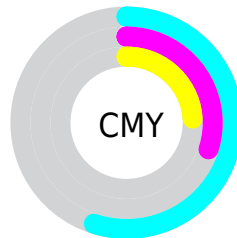
- Red (45%)
- Green (70%)
- Blue (76%)



- Red (45%)
- Yellow (59%)
- Blue (76%)



- Cyan (42%)
- Magenta (9%)
- Yellow (0%)
- Black (24%)




- Cyan (55%)
- Magenta (30%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 22.019, 223.269 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, 22.019, 223.269 by changing the saturation by 10% instead.




 69, 22.019,  
223.269

 69, 22.019,  
223.269


 100, 22.019,  
223.269


 59, 22.019,  
223.269

 89, 22.019,  
223.269

 49, 22.019,  
223.269

 99, 22.019,  
223.269

 39, 22.019,  
223.269

 29, 22.019,  
223.269

 19, 22.019,  
223.269

 9, 22.019, 223.269

 0, 22.019, 223.269

69, 22.019,  
223.269

69, 22.019,  
223.269

67, 26.035,  
224.566

71, 17.413,  
222.293

65, 29.389,  
226.268

73, 12.305,  
221.584

63, 32.039,  
228.457

76, 6.783, 221.102

62, 33.988,  
231.215

78, 0.930, 221.236

81, 5.180, 40.331

60, 35.308,  
234.609

84, 11.483, 40.250

59, 36.116,  
237.879

86, 17.927, 40.204

88, 18.973, 45.844

89, 18.657, 53.519

# Harmonies

# Complementary

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



69, 22.019, 223.269



61, 29.683, 40.402

# Rectangle

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



69, 22.019, 223.269



69, 22.019, 273.269



69, 22.019, 43.269



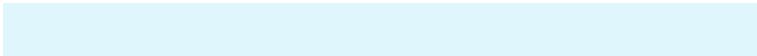
69, 22.019, 93.269

# Sweetspot

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



69, 22.019, 223.266



95, 8.683, 221.126



72, 46.029, 147.081



51, 5.786, 221.179



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, 22.019, 223.266



85, 31.273, 224.453



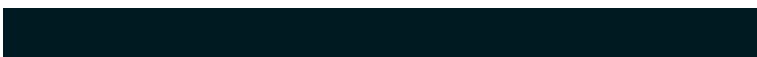
58, 32.780, 280.587



40, 3.333, 221.030



49, 31.231, 237.233



8, 10.362, 229.217





# Inverse Universe

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



59, 45.828, 333.622



70, 66.938, 334.296



71, 32.437, 88.389



38, 6.245, 331.429



36, 69.656, 338.626

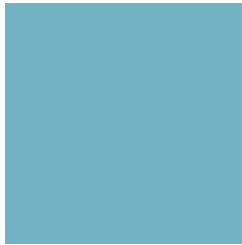


4, 19.842, 335.067



# Previews

## White Background



This preview shows how the CIELCh color 69, 22.019, 223.269 looks on a white background.

## Color Contrast Check

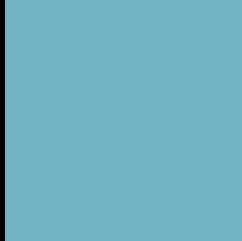
Large Text (above 18pt) WCAG AA × Fail

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, 22.019, 223.269 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, 22.019, 223.269

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 22.019, 223.269.

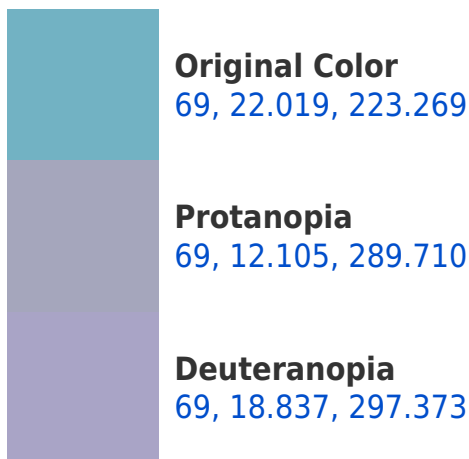


This preview shows how white text looks on a background with the CIELCh color 69, 22.019, 223.269.

# 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**  
69, 21.986, 220.110



# Trichromacy



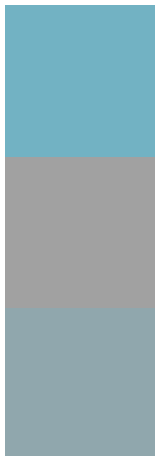
**Original Color**  
69, 22.019, 223.269

**Protanomaly**  
68, 13.973, 255.095

**Deuteranomaly**  
69, 16.626, 267.556

**Tritanomaly**  
69, 22.116, 221.545

# Monochromacy



**Original Color**  
69, 22.019, 223.269

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
67, 8.827, 220.948

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 22.019, 223.269 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(114, 178, 195)` looks like.

```
.text, #text, p{  
    color:rgb(114, 178, 195)  
}
```

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(114, 178, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 178, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 22.019, 223.269 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(114, 178, 195) }
```

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

```
.border{ border-color:rgb(114, 178, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 178, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 178, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 178, 195);  
box-shadow:4px 4px 4px 4px rgb(114, 178,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 22.019, 223.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 178, 195) }
```

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

```
.background{ background-color: rgb(114,  
178, 195) }
```

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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