

Converting Colors

CIELCh(68, 22.303, 233.074)

Have a look what the booklet for
CIELCh(68, 22.303, 233.074)
contains.

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Color

CIELCh(68, 22.292, 233.089)

Conversions

Conversions Part 1

Format	Color
Hex	72AEC5
RGB	114, 174, 197
RGB Percent	45%, 68%, 77%
CMY	0.5522, 0.3169, 0.2267
CMYK	0.42, 0.12, 0.00, 0.23
HSL	197°, 42%, 61%
HSV	197°, 42%, 77%
XYZ	32.2339, 37.9720, 58.5659
YIQ	158.6820, -43.1430, -5.5670

Conversions

Conversions Part 2

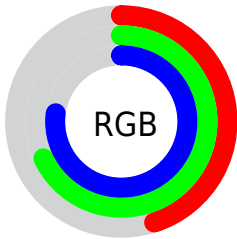
Format	Color
RYB	114, 149, 197
Decimal	7515845
CIELab	68.00, -13.39, -17.82
CIELCh	68, 22.292, 233.089
Yxy	37.9720, 0.2503, 0.2949
Android (android.graphics.Color)	4285705925 (0xFF72AEC5)
YUV	158.6820, 18.8908, -39.1861
Hunter-Lab	61.6215, -14.4649, -13.2151

Details

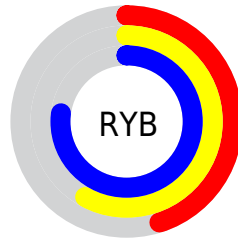
The CIELCh color **68, 22.292, 233.089** is a light color, and the websafe version is hex **669999**. A complement of this color would be **63, 29.449, 46.970**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 22.418, 232.599**, and **48, 22.292, 231.836** is the 20% darker color. If you saturate the color by 10%, you get **66, 26.463, 234.965**, and if you desaturate by 10%, it is **71, 17.612, 231.616**.

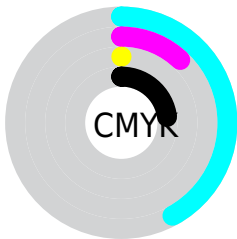
Distribution



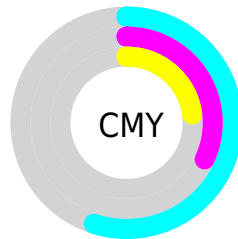
- Red (45%)
- Green (68%)
- Blue (77%)



- Red (45%)
- Yellow (58%)
- Blue (77%)



- Cyan (42%)
- Magenta (12%)
- Yellow (0%)
- Black (23%)





- Cyan (55%)
- Magenta (32%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 22.292, 233.089 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 68, 22.292, 233.089 by changing the saturation by 10% instead.

 68, 22.292,
233.089

 68, 22.292,
233.089


 100, 22.292,
233.089


 58, 22.292,
233.089


 88, 22.292,
233.089

 48, 22.292,
233.089

 98, 22.292,
233.089

 38, 22.292,
233.089

 28, 22.292,
233.089

 18, 22.292,
233.089

 8, 22.292, 233.089

 0, 22.292, 233.089

68, 22.292,
233.089

68, 22.292,
233.089

66, 26.463,
234.965

71, 17.612,
231.616

63, 30.072,
237.339

73, 12.494,
230.476

61, 33.100,
240.300

76, 7.014, 229.614

59, 35.578,
243.925

79, 1.242, 229.263

82, 4.756, 48.214

57, 37.608,
248.239

85, 10.925, 47.869

56, 39.070,
251.973

88, 17.219, 47.579

90, 17.886, 56.792

91, 18.222, 67.488

Harmonies

Complementary

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



68, 22.292, 233.089



63, 29.449, 46.970

Rectangle

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



68, 22.292, 233.089



68, 22.292, 283.089



68, 22.292, 53.089



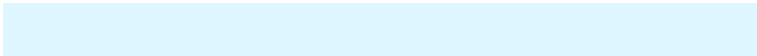
68, 22.292, 103.089

Sweetspot

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



68, 22.291, 233.087



95, 9.266, 229.696



73, 44.739, 149.326



50, 6.449, 229.873



0, 0.000, 0.000



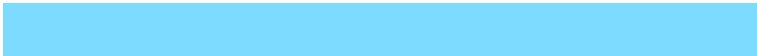
53, 0.007, 296.813

Same Dimension

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



68, 22.291, 233.087



83, 31.966, 234.899



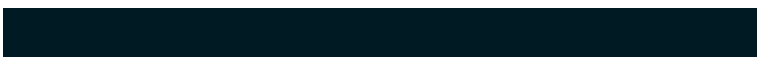
57, 36.565, 285.037



40, 3.333, 229.430



46, 33.776, 251.225



8, 11.235, 240.654

Inverse Universe

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



59, 44.753, 336.441



70, 65.675, 337.277



73, 35.076, 93.211



39, 6.081, 333.968



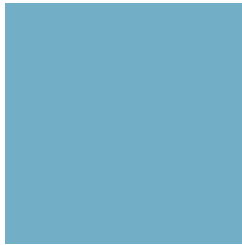
36, 67.213, 343.051



4, 20.973, 339.199

Previews

White Background



This preview shows how the CIE LCh color 68, 22.292, 233.089 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 68, 22.292, 233.089 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

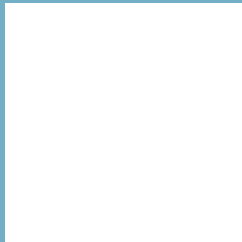
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 22.292, 233.089

Background



This preview shows how black text looks on a background with the CIELCh color 68, 22.292, 233.089.



This preview shows how white text looks on a background with the CIELCh color 68, 22.292, 233.089.

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

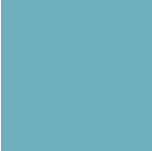
68, 22.292, 233.089

Protanopia

68, 14.378, 286.010

Deuteranopia

68, 21.590, 295.095



Tritanopia
68, 21.498, 220.737

Trichromacy



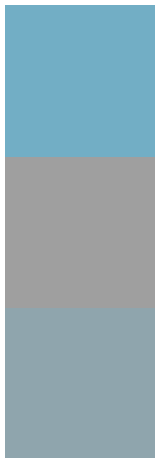
Original Color
68, 22.292, 233.089

Protanomaly
68, 15.933, 259.312

Deuteranomaly
68, 19.180, 271.507

Tritanomaly
68, 21.710, 225.415

Monochromacy



Original Color
68, 22.292, 233.089

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 8.944, 228.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 22.292, 233.089 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, 174, 197)` looks like.

```
.text, #text, p{  
    color:rgb(114, 174, 197)  
}
```

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, 174, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 174, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 22.292, 233.089 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, 174, 197) }
```

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

```
.border{ border-color:rgb(114, 174, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 174, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 174, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 174, 197);  
box-shadow:4px 4px 4px 4px rgb(114, 174,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 22.292, 233.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 174, 197) }
```

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

```
.background{ background-color: rgb(114,  
174, 197) }
```

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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