

Converting Colors

CIELCh(68, 22.407, 237.137)

Have a look what the booklet for
CIELCh(68, 22.407, 237.137)
contains.

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Color

CIELCh(68, 22.373, 236.535)

Conversions

Conversions Part 1

Format	Color
Hex	74AEC7
RGB	116, 174, 199
RGB Percent	45%, 68%, 78%
CMY	0.5462, 0.3187, 0.2207
CMYK	0.42, 0.13, 0.00, 0.22
HSL	198°, 42%, 62%
HSV	198°, 42%, 78%
XYZ	32.5263, 37.9720, 59.4781
YIQ	159.5080, -42.5930, -4.5210

Conversions

Conversions Part 2

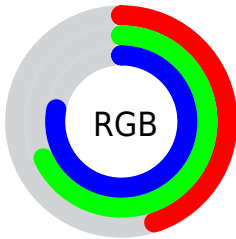
Format	Color
RYB	116, 150, 199
Decimal	7646919
CIELab	68.00, -12.34, -18.66
CIElCh	68, 22.373, 236.535
Yxy	37.9720, 0.2502, 0.2921
Android (android.graphics.Color)	4285836999 (0xFF74AEC7)
YUV	159.5080, 19.4696, -38.1565
Hunter-Lab	61.6215, -13.6181, -14.0927

Details

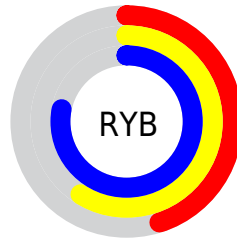
The CIELCh color **68, 22.373, 236.535** is a light color, and the websafe version is hex **669999**. A complement of this color would be **64, 29.121, 49.419**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 22.204, 234.671**, and **48, 22.239, 235.803** is the 20% darker color. If you saturate the color by 10%, you get **65, 26.688, 238.569**, and if you desaturate by 10%, it is **71, 17.585, 234.921**.

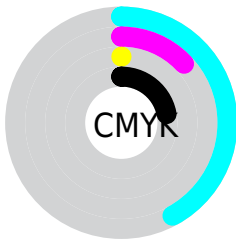
Distribution



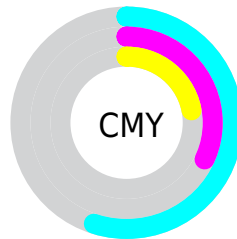
- Red (45%)
- Green (68%)
- Blue (78%)



- Red (45%)
- Yellow (59%)
- Blue (78%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)





- Cyan (55%)
- Magenta (32%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 22.373, 236.535 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, 22.373, 236.535 by changing the saturation by 10% instead.


 68, 22.373,
236.535


 68, 22.373,
236.535


 100, 22.373,
236.535


 58, 22.373,
236.535


 88, 22.373,
236.535

 48, 22.373,
236.535

 98, 22.373,
236.535

 38, 22.373,
236.535

 28, 22.373,
236.535

 18, 22.373,
236.535

 8, 22.373, 236.535

 0, 22.373, 236.535

68, 22.373,
236.535

68, 22.373,
236.535

65, 26.688,
238.569

71, 17.585,
234.921

63, 30.483,
241.118

74, 12.389,
233.655

60, 33.746,
244.268

77, 6.855, 232.681

58, 36.517,
248.087

80, 1.050, 232.293

83, 4.965, 51.090

56, 38.903,
252.582

86, 11.138, 50.656

55, 40.755,
256.605

89, 17.426, 50.286

91, 17.466, 62.369

92, 18.234, 74.003

Harmonies

Complementary

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



68, 22.373, 236.535



64, 29.121, 49.419

Rectangle

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



68, 22.373, 236.535



68, 22.373, 286.535



68, 22.373, 56.535



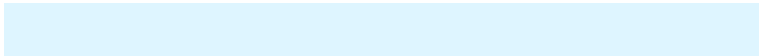
68, 22.373, 106.535

Sweetspot

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



68, 22.372, 236.533



95, 9.247, 232.803



74, 43.546, 150.603



50, 6.438, 233.006



0, 0.000, 0.000



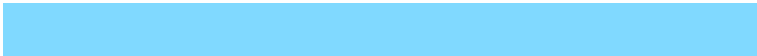
53, 0.007, 296.813

Same Dimension

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



68, 22.372, 236.533



82, 31.695, 238.338



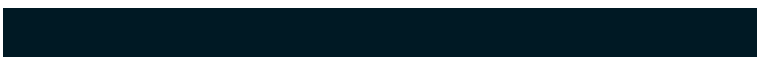
56, 38.063, 286.890



40, 3.324, 232.493



45, 34.976, 255.807



7, 11.384, 244.945

Inverse Universe

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



60, 43.990, 337.476



71, 63.533, 338.292



74, 36.058, 95.481



39, 5.978, 334.936



36, 66.174, 344.763



4, 20.545, 340.647

Previews

White Background



This preview shows how the CIELCh color 68, 22.373, 236.535 looks on a white background.

Color Contrast Check

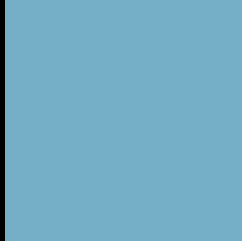
Large Text (above 18pt) WCAG AA × Fail

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, 22.373, 236.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

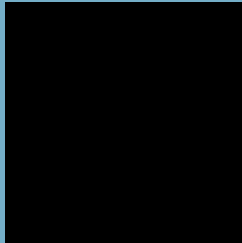
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 22.373, 236.535

Background



This preview shows how black text looks on a background with the CIELCh color 68, 22.373, 236.535.



This preview shows how white text looks on a background with the CIELCh color 68, 22.373, 236.535.

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, 22.373, 236.535

Protanopia

68, 15.473, 286.546

Deuteranopia

68, 21.535, 293.258



Tritanopia
68, 21.123, 219.537

Trichromacy



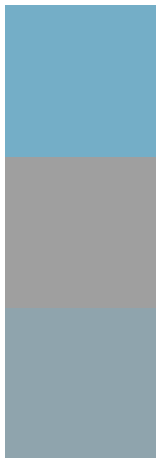
Original Color
68, 22.373, 236.535

Protanomaly
68, 16.234, 261.463

Deuteranomaly
68, 19.688, 272.173

Tritanomaly
68, 21.473, 225.759

Monochromacy



Original Color
68, 22.373, 236.535

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 8.918, 233.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 22.373, 236.535 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(116, 174, 199)` looks like.

```
.text, #text, p{  
    color:rgb(116, 174, 199)  
}
```

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(116, 174, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 174, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 22.373, 236.535 is called "border". The border property can be set on classes, ids or directly on the HTML element.

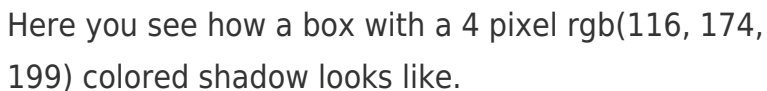
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 174, 199) }
```

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

```
.border{ border-color:rgb(116, 174, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 174, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 174, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 174, 199); box-shadow:4px 4px 4px 4px rgb(116, 174, 199) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 22.373, 236.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 174, 199) }
```

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

```
.background{ background-color: rgb(116,  
174, 199) }
```

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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