

Converting Colors

CIELCh(68, 21.071, 228.820)

Have a look what the booklet for
CIELCh(68, 21.071, 228.820)
contains.

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Color

CIELCh(68, 21.161, 229.775)

Conversions

Conversions Part 1

Format	Color
Hex	74AEC2
RGB	116, 174, 194
RGB Percent	45%, 68%, 76%
CMY	0.5444, 0.3169, 0.2385
CMYK	0.40, 0.10, 0.00, 0.24
HSL	195°, 39%, 61%
HSV	195°, 40%, 76%
XYZ	32.1570, 37.9720, 56.7833
YIQ	158.9380, -40.9880, -6.0760

Conversions

Conversions Part 2

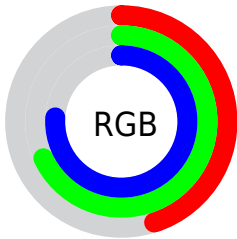
Format	Color
R _Y B	116, 149, 194
Decimal	7646914
CIE Lab	68.00, -13.67, -16.16
CIE LCh	68, 21.161, 229.775
Yxy	37.9720, 0.2534, 0.2992
Android (android.graphics.Color)	4285836994 (0xFF74AEC2)
YUV	158.9380, 17.2856, -37.6566
Hunter-Lab	61.6215, -14.6878, -11.4999

Details

The CIELCh color **68, 21.161, 229.775** is a light color, and the websafe version is hex **669999**. A complement of this color would be **62, 27.776, 44.917**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 21.273, 229.605**, and **48, 21.106, 228.217** is the 20% darker color. If you saturate the color by 10%, you get **66, 25.323, 231.405**, and if you desaturate by 10%, it is **70, 16.480, 228.510**.

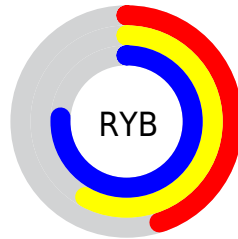
Distribution



Red (45%)

Green (68%)

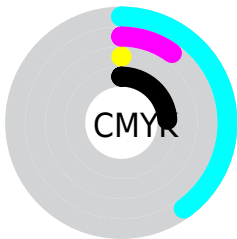
Blue (76%)



Red (45%)

Yellow (58%)

Blue (76%)

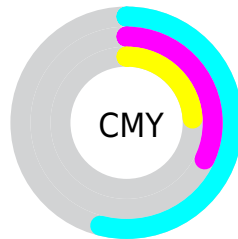


Cyan (40%)

Magenta (10%)

Yellow (0%)

Black (24%)



Cyan (54%)


Magenta (32%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 21.161, 229.775 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, 21.161, 229.775 by changing the saturation by 10% instead.


 68, 21.161,
229.775


 68, 21.161,
229.775


 100, 21.161,
229.775


 58, 21.161,
229.775


 88, 21.161,
229.775

 48, 21.161,
229.775

 98, 21.161,
229.775

 38, 21.161,
229.775

 28, 21.161,
229.775

 18, 21.161,
229.775

 8, 21.161, 229.775

 0, 21.161, 229.775

68, 21.161,
229.775

68, 21.161,
229.775

66, 25.323,
231.405

70, 16.480,
228.510

63, 28.905,
233.492

73, 11.359,
227.550

61, 31.871,
236.126

76, 5.875, 226.849

59, 34.235,
239.392

78, 0.102, 231.227

81, 5.895, 45.698

58, 36.074,
243.342

84, 12.061, 45.436

56, 37.585,
247.749

87, 18.348, 45.231

89, 18.933, 53.027

90, 18.987, 62.354

Harmonies

Complementary

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



68, 21.161, 229.775



62, 27.776, 44.917

Rectangle

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



68, 21.161, 229.775



68, 21.161, 279.775



68, 21.161, 49.775



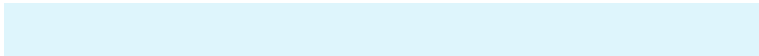
68, 21.161, 99.775

Sweetspot

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



68, 21.160, 229.772



95, 8.539, 226.969



72, 42.780, 148.951



51, 5.692, 227.055



0, 0.000, 0.000



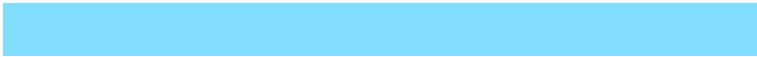
53, 0.007, 296.813

Same Dimension

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



68, 21.160, 229.772



84, 30.175, 231.149



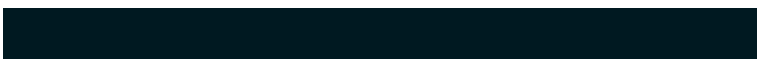
57, 33.639, 283.596



40, 3.277, 226.806



47, 32.523, 247.017



7, 10.372, 237.772

Inverse Universe

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



59, 42.865, 335.400



71, 62.567, 336.093



72, 32.582, 92.296



38, 6.041, 333.158



36, 67.391, 341.611



4, 18.987, 337.675

Previews

White Background



This preview shows how the CIELCh color 68, 21.161, 229.775 looks on a white background.

Color Contrast Check

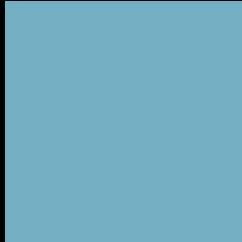
Large Text (above 18pt) WCAG AA × Fail

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 68, 21.161, 229.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

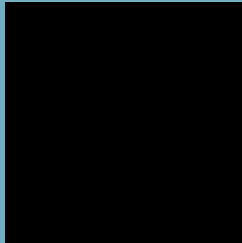
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 21.161, 229.775

Background



This preview shows how black text looks on a background with the CIELCh color 68, 21.161, 229.775.

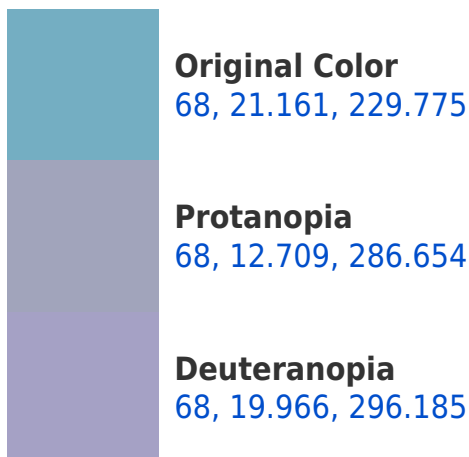


This preview shows how white text looks on a background with the CIELCh color 68, 21.161, 229.775.

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
68, 20.617, 220.129

Trichromacy



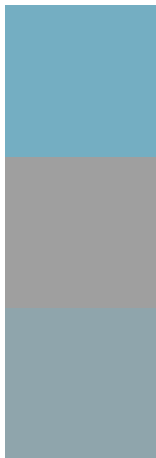
Original Color
68, 21.161, 229.775

Protanomaly
68, 14.257, 257.666

Deuteranomaly
68, 17.556, 270.298

Tritanomaly
68, 20.899, 223.163

Monochromacy



Original Color
68, 21.161, 229.775

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 8.718, 225.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 21.161, 229.775 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(116, 174, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 174, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 21.161, 229.775 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, 194) }
```

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

```
.border{ border-color:rgb(116, 174, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 174, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 174, 194);  
box-shadow:4px 4px 4px 4px rgb(116, 174,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 21.161, 229.775 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, 194) }
```

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

```
.background{ background-color: rgb(116,  
174, 194) }
```

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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