

Converting Colors

CIELCh(70, 20.689, 228.586)

Have a look what the booklet for
CIELCh(70, 20.689, 228.586)
contains.

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Color

CIELCh(70, 20.689, 228.586)

Conversions

Conversions Part 1

Format	Color
Hex	7BB4C7
RGB	123, 180, 199
RGB Percent	48%, 71%, 78%
CMY	0.5193, 0.2958, 0.2213
CMYK	0.38, 0.10, 0.00, 0.22
HSL	195°, 40%, 63%
HSV	195°, 38%, 78%
XYZ	34.5977, 40.7494, 59.8060
YIQ	165.1230, -40.0710, -6.1750

Conversions

Conversions Part 2

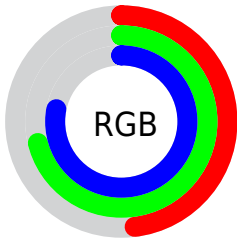
Format	Color
R _{YB}	123, 156, 199
Decimal	8107207
CIE Lab	70.00, -13.69, -15.52
CIE LCh	70, 20.689, 228.586
Yxy	40.7494, 0.2560, 0.3015
Android (android.graphics.Color)	4286297287 (0xFF7BB4C7)
YUV	165.1230, 16.7014, -36.9419
Hunter-Lab	63.8353, -14.9675, -10.8629

Details

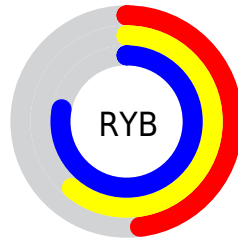
The CIELCh color **70, 20.689, 228.586** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 26.826, 44.275**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 20.576, 227.237**, and **50, 20.744, 228.612** is the 20% darker color. If you saturate the color by 10%, you get **68, 25.015, 230.094**, and if you desaturate by 10%, it is **72, 15.839, 227.423**.

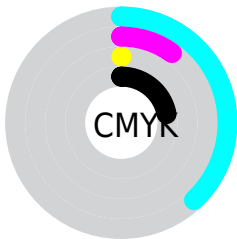
Distribution



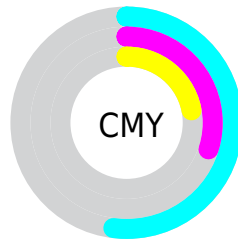
- Red (48%)
- Green (71%)
- Blue (78%)



- Red (48%)
- Yellow (61%)
- Blue (78%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)





- Cyan (52%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 20.689, 228.586 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 70, 20.689, 228.586 by changing the saturation by 10% instead.


 70, 20.689,
228.586


 70, 20.689,
228.586


 100, 20.689,
228.586


 60, 20.689,
228.586


 90, 20.689,
228.586

 50, 20.689,
228.586

 40, 20.689,
228.586

 30, 20.689,
228.586

 20, 20.689,
228.586

 10, 20.689,
228.586

 0, 20.689, 228.586

70, 20.689,
228.586

70, 20.689,
228.586

68, 25.015,
230.094

72, 15.839,
227.423

65, 28.749,
232.037

75, 10.548,
226.549

63, 31.847,
234.503

78, 4.896, 225.934

61, 34.308,
237.581

81, 1.042, 44.823

83, 7.200, 44.886

60, 36.197,
241.336

86, 13.522, 44.657

58, 37.685,
245.717

89, 17.637, 47.772

90, 17.432, 57.820

58, 37.944,
246.481

91, 17.776, 67.766

Harmonies

Complementary

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



70, 20.689, 228.586



64, 26.826, 44.275

Rectangle

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



70, 20.689, 228.586



70, 20.689, 278.586



70, 20.689, 48.586



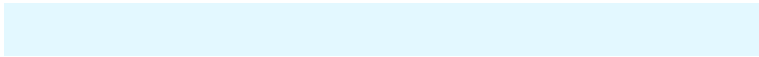
70, 20.689, 98.586

Sweetspot

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



70, 20.689, 228.583



96, 7.925, 226.082



74, 42.092, 148.566



51, 5.307, 226.162



0, 0.000, 0.000



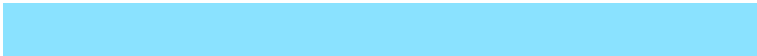
53, 0.007, 296.813

Same Dimension

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



70, 20.689, 228.583



85, 29.417, 229.827



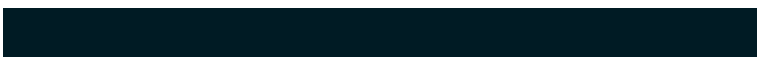
60, 31.872, 282.145



41, 3.353, 225.988



48, 32.677, 245.748



8, 11.142, 235.531

Inverse Universe

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



61, 41.847, 334.987



73, 60.941, 335.649



73, 31.146, 91.335



39, 6.201, 332.911



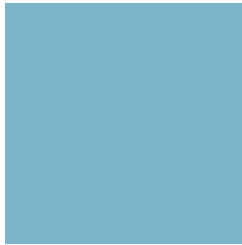
36, 68.470, 341.198



4, 21.478, 337.643

Previews

White Background



This preview shows how the CIE LCh color 70, 20.689, 228.586 looks on a white background.

Color Contrast Check

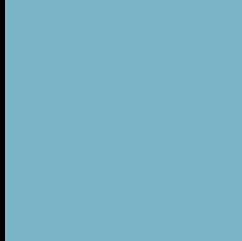
Large Text (above 18pt) WCAG AA × Fail

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 70, 20.689, 228.586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

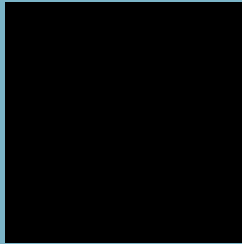
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 20.689, 228.586

Background



This preview shows how black text looks on a background with the CIELCh color 70, 20.689, 228.586.

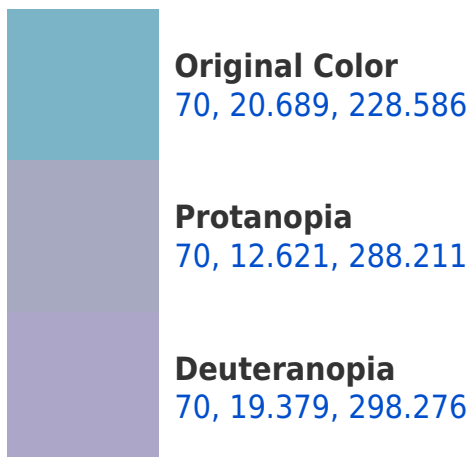


This preview shows how white text looks on a background with the CIELCh color 70, 20.689, 228.586.

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](#).

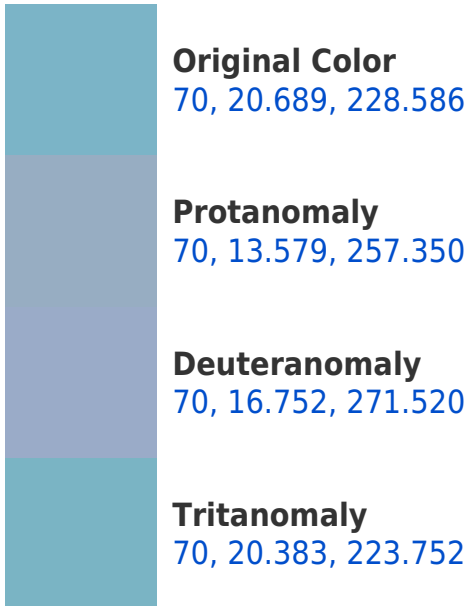
Dichromacy



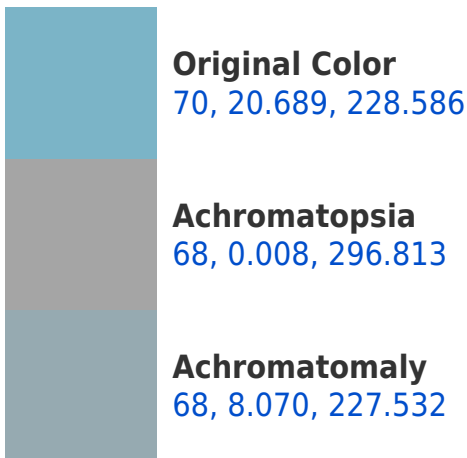


Tritanopia
70, 20.227, 222.225

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 20.689, 228.586 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(123, 180, 199)` looks like.

```
.text, #text, p{  
    color:rgb(123, 180, 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(123, 180, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 180, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 20.689, 228.586 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(123, 180, 199) }
```

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

```
.border{ border-color:rgb(123, 180, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 180, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 180, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 180, 199);  
box-shadow:4px 4px 4px 4px rgb(123, 180,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 20.689, 228.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 180, 199) }
```

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

```
.background{ background-color: rgb(123,  
180, 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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