

Converting Colors

CIELCh(70, 22.814, 166.587)

Have a look what the booklet for
CIELCh(70, 22.814, 166.587)
contains.

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Color

CIELCh(70, 22.509, 166.851)

Conversions

Conversions Part 1

Format	Color
Hex	81B6A1
RGB	129, 182, 161
RGB Percent	51%, 71%, 63%
CMY	0.4937, 0.2859, 0.3682
CMYK	0.29, 0.00, 0.12, 0.29
HSL	156°, 27%, 61%
HSV	156°, 29%, 71%
XYZ	32.2588, 40.7494, 39.9295
YIQ	163.7590, -24.8470, -17.7670

Conversions

Conversions Part 2

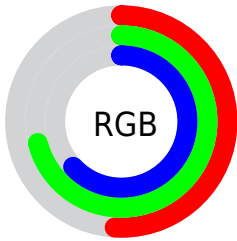
Format	Color
RYB	129, 162, 182
Decimal	8500897
CIELab	70.00, -21.92, 5.12
CIELCh	70, 22.509, 166.851
Yxy	40.7494, 0.2856, 0.3608
Android (android.graphics.Color)	4286690977 (0xFF81B6A1)
YUV	163.7590, -1.3602, -30.4836
Hunter-Lab	63.8353, -21.5076, 7.5983

Details

The CIELCh color **70, 22.509, 166.851** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60, 23.850, 352.605**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 22.404, 167.228**, and **50, 22.338, 167.238** is the 20% darker color. If you saturate the color by 10%, you get **69, 29.810, 165.683**, and if you desaturate by 10%, it is **71, 14.914, 167.909**.

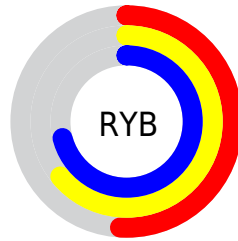
Distribution



Red (51%)

Green (71%)

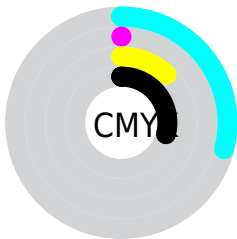
Blue (63%)



Red (51%)

Yellow (64%)

Blue (71%)

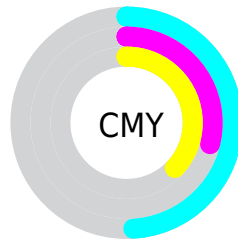


Cyan (29%)

Magenta (0%)

Yellow (12%)

Black (29%)



Cyan (49%)


Magenta (29%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 22.509, 166.851 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, 22.509, 166.851 by changing the saturation by 10% instead.


 70, 22.509,
166.851


 70, 22.509,
166.851


 100, 22.509,
166.851


 60, 22.509,
166.851


 90, 22.509,
166.851

 50, 22.509,
166.851

 40, 22.509,
166.851

 30, 22.509,
166.851

 20, 22.509,
166.851

 10, 22.509,
166.851

 0, 22.509, 166.851

70, 22.509,
166.851

70, 22.509,
166.851

69, 29.810,
165.683

71, 14.914,
167.909

68, 36.686,
164.385

73, 7.141, 168.897

67, 43.011,
162.930

74, 0.706, 349.133

76, 8.544, 350.486

67, 48.675,
161.295

78, 16.307,
351.270

66, 53.605,
159.459

80, 23.947,
351.993

66, 57.786,
157.416


82, 30.926,
352.066

65, 61.345,
155.226

82, 32.706,
346.102

65, 61.655,

155.037

 82, 34.828,
340.852

Harmonies

Complementary

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



70, 22.509, 166.851



60, 23.850, 352.605

Rectangle

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



70, 22.509, 166.851



70, 22.509, 216.851



70, 22.509, 346.851



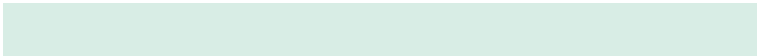
70, 22.509, 36.851

Sweetspot

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



70, 22.510, 166.849



92, 8.746, 168.892



71, 31.265, 131.175



49, 6.124, 168.750



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 22.510, 166.849



88, 33.255, 166.107



69, 16.454, 208.405



38, 4.471, 168.874



57, 54.574, 155.342



8, 13.432, 162.538

Inverse Universe

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



60, 23.850, 352.605



73, 35.692, 353.453



61, 20.176, 29.764



36, 4.557, 350.431



33, 58.586, 11.265



2, 11.605, 356.614

Previews

White Background



This preview shows how the CIELCh color 70, 22.509, 166.851 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 70, 22.509, 166.851 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, 22.509, 166.851

Background



This preview shows how black text looks on a background with the CIELCh color 70, 22.509, 166.851.

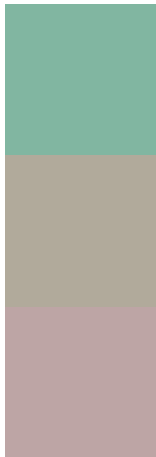


This preview shows how white text looks on a background with the CIELCh color 70, 22.509, 166.851.

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
70, 22.509, 166.851

Protanopia
70, 8.621, 90.776

Deuteranopia
70, 9.311, 20.184



Tritanopia
70, 15.857, 227.520

Trichromacy



Original Color
70, 22.509, 166.851

Protanomaly
70, 10.767, 139.072

Deuteranomaly
69, 4.129, 131.388

Tritanomaly
70, 15.895, 202.137

Monochromacy



Original Color
70, 22.509, 166.851

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 8.728, 168.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 22.509, 166.851 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(129, 182, 161)` looks like.

```
.text, #text, p{  
    color:rgb(129, 182, 161)  
}
```

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(129, 182, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 182, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 22.509, 166.851 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(129, 182, 161) }
```

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

```
.border{ border-color:rgb(129, 182, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 182, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 182, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 182, 161);  
box-shadow:4px 4px 4px 4px rgb(129, 182,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 22.509, 166.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 182, 161) }
```

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

```
.background{ background-color: rgb(129,  
182, 161) }
```

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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