

# Converting Colors

CIELCh(70, 22.157, 172.703)

Have a look what the booklet for  
CIELCh(70, 22.157, 172.703)  
contains.

<b>CIELCh(70, 22.157, 172.703)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(70, 22.157, 172.703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EB6A5
RGB	126, 182, 165
RGB Percent	49%, 71%, 65%
CMY	0.5048, 0.2852, 0.3519
CMYK	0.31, 0.00, 0.09, 0.29
HSL	162°, 28%, 60%
HSV	162°, 31%, 71%
XYZ	32.2426, 40.7494, 41.8905
YIQ	163.3180, -27.9190, -17.1590

# Conversions

## Conversions Part 2

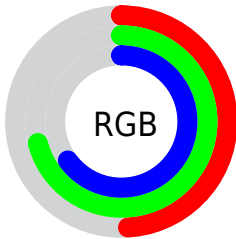
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 159, 182
Decimal	8304293
CIELab	70.00, -21.98, 2.81
CIElCh	70, 22.157, 172.703
Yxy	40.7494, 0.2807, 0.3547
Android (android.graphics.Color)	4286494373 (0xFF7EB6A5)
YUV	163.3180, 0.8292, -32.7279
Hunter-Lab	63.8353, -21.5532, 5.7769

# Details

The CIELCh color **70, 22.157, 172.703** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59, 24.217, 359.077**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 22.135, 172.886**, and **50, 22.450, 172.356** is the 20% darker color. If you saturate the color by 10%, you get **69, 28.773, 171.537**, and if you desaturate by 10%, it is **71, 15.171, 173.772**.

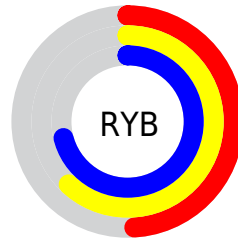
# Distribution



Red (49%)

Green (71%)

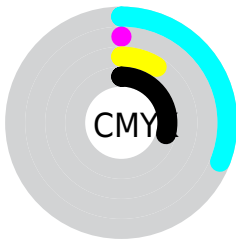
Blue (65%)



Red (49%)

Yellow (62%)

Blue (71%)

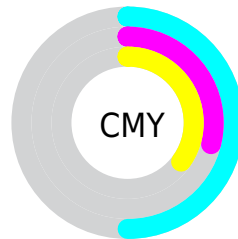


Cyan (31%)

Magenta (0%)

Yellow (9%)

Black (29%)



Cyan (50%)

Magenta (29%)


Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 22.157, 172.703 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, 22.157, 172.703 by changing the saturation by 10% instead.





 70, 22.157,  
172.703


 70, 22.157,  
172.703


 100, 22.157,  
172.703


 60, 22.157,  
172.703


 90, 22.157,  
172.703

 50, 22.157,  
172.703

 40, 22.157,  
172.703

 30, 22.157,  
172.703

 20, 22.157,  
172.703

 10, 22.157,  
172.703

 0, 22.157, 172.703

70, 22.157,  
172.703

70, 22.157,  
172.703

69, 28.773,  
171.537

71, 15.171,  
173.772

68, 34.893,  
170.258

73, 7.929, 174.781

74, 0.537, 176.468

67, 40.402,  
168.839

76, 6.916, 356.436

67, 45.209,  
167.257

77, 14.358,  
357.283

66, 49.261,  
165.488

79, 21.735,  
358.067

66, 52.565,  
163.522

81, 29.008,  
358.809

66, 55.129,  
161.589

82, 30.395,  
353.991

■ 82, 31.637,  
349.181

# Harmonies

# Complementary

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



70, 22.157, 172.703



59, 24.217, 359.077

# Rectangle

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



70, 22.157, 172.703



70, 22.157, 222.703



70, 22.157, 352.703



70, 22.157, 42.703

# Sweetspot

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



70, 22.158, 172.701



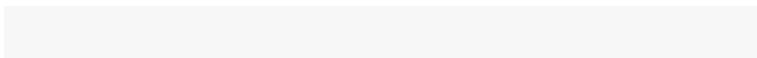
92, 8.246, 174.939



70, 33.824, 133.765



49, 5.771, 174.793



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, 22.158, 172.701



88, 32.600, 171.910



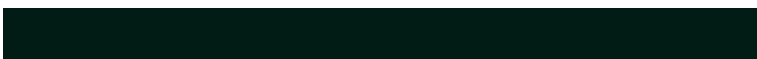
68, 16.309, 218.705



38, 4.216, 174.920



57, 48.812, 161.881



8, 12.530, 168.272



# Inverse Universe

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



59, 24.217, 359.077



71, 36.386, 0.099



61, 20.185, 37.575



36, 4.328, 356.522



32, 60.260, 19.949



2, 11.223, 1.584



# Previews

## White Background



This preview shows how the CIELCh color 70, 22.157, 172.703 looks on a white background.

## Color Contrast Check

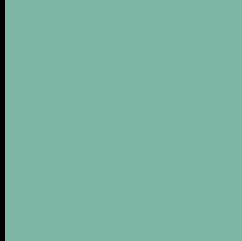
Large Text (above 18pt) WCAG AA × Fail

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, 22.157, 172.703 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

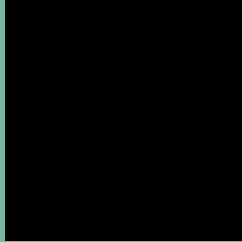
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 22.157, 172.703

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 22.157, 172.703.

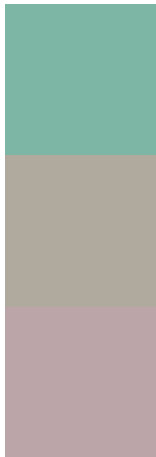


This preview shows how white text looks on a background with the CIELCh color 70, 22.157, 172.703.

# 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, 22.157, 172.703

**Protanopia**  
70, 6.940, 89.841

**Deuteranopia**  
70, 8.729, 5.691





**Tritanopia**  
70, 17.126, 227.216

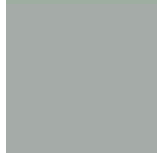
# Trichromacy



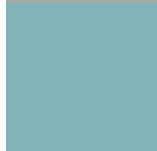
**Original Color**  
70, 22.157, 172.703



**Protanomaly**  
70, 9.398, 149.541



**Deuteranomaly**  
69, 2.804, 163.498



**Tritanomaly**  
70, 17.104, 203.626

# Monochromacy



**Original Color**  
70, 22.157, 172.703



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
68, 8.767, 172.619

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 22.157, 172.703 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(126, 182, 165)` looks like.

```
.text, #text, p{  
    color:rgb(126, 182, 165)  
}
```

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(126, 182, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 182, 165) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 22.157, 172.703 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(126, 182, 165) }
```

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

```
.border{ border-color:rgb(126, 182, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 182, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 182, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 182, 165);  
box-shadow:4px 4px 4px 4px rgb(126, 182,  
165) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 22.157, 172.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 182, 165) }
```

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

```
.background{ background-color: rgb(126,  
182, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor