

# Converting Colors

CIELCh(71, 28.019, 167.193)

Have a look what the booklet for  
CIELCh(71, 28.019, 167.193)  
contains.

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# **Color**

**CIELCh(71, 27.813, 167.786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77BBA2
RGB	119, 187, 162
RGB Percent	47%, 73%, 64%
CMY	0.5325, 0.2658, 0.3639
CMYK	0.36, 0.00, 0.13, 0.27
HSL	158°, 33%, 60%
HSV	158°, 36%, 73%
XYZ	31.9948, 42.1875, 40.7385
YIQ	163.8180, -32.5030, -22.1910

# Conversions

## Conversions Part 2

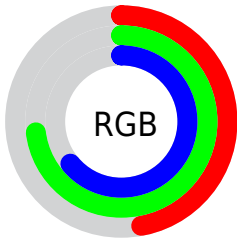
Format	Color
<b>RYB</b>	119, 161, 187
Decimal	7846818
CIELab	71.00, -27.18, 5.88
CIElCh	71, 27.813, 167.786
Yxy	42.1875, 0.2784, 0.3671
Android (android.graphics.Color)	4286036898 (0xFF77BBA2)
YUV	163.8180, -0.8963, -39.3054
Hunter-Lab	64.9519, -25.7382, 8.2791

# Details

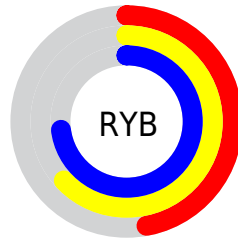
The CIELCh color **71, 27.813, 167.786** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58, 30.187, 355.462**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 27.632, 168.365**, and **51, 27.829, 167.761** is the 20% darker color. If you saturate the color by 10%, you get **70, 34.765, 166.526**, and if you desaturate by 10%, it is **72, 20.449, 168.923**.

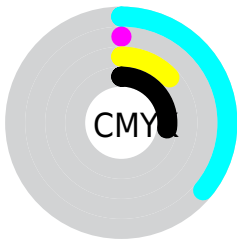
# Distribution



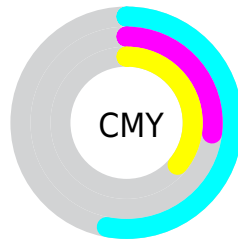
- Red (47%)
- Green (73%)
- Blue (64%)



- Red (47%)
- Yellow (63%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)




- Cyan (53%)
- Magenta (27%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 27.813, 167.786 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 71, 27.813, 167.786 by changing the saturation by 10% instead.





 71, 27.813,  
167.786


 71, 27.813,  
167.786


 100, 27.813,  
167.786


 61, 27.813,  
167.786


 91, 27.813,  
167.786

 51, 27.813,  
167.786

 41, 27.813,  
167.786

 31, 27.813,  
167.786

 21, 27.813,  
167.786

 11, 27.813,  
167.786

 1, 27.813, 167.786

■ 0, 27.813, 167.786

■ 71, 27.813,  
167.786

■ 71, 27.813,  
167.786

■ 70, 34.765,  
166.526

■ 72, 20.449,  
168.923

■ 69, 41.172,  
165.123

■ 73, 12.799,  
169.966

■ 68, 46.921,  
163.550

■ 75, 4.980, 170.965

■ 68, 51.929,  
161.784

■ 77, 2.907, 351.605

■ 68, 56.167,  
159.813

■ 78, 10.781,  
352.530

■ 67, 59.687,  
157.648

■ 80, 18.579,  
353.313

■ 82, 26.255,

■ 67, 60.901,  
156.859

354.043

■ 83, 29.322,  
349.403

■ 83, 31.182,  
343.613

# Harmonies

# Complementary

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



71, 27.813, 167.786



58, 30.187, 355.462

# Rectangle

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



71, 27.813, 167.786



71, 27.813, 217.786



71, 27.813, 347.786



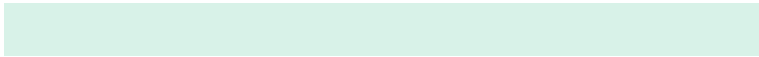
71, 27.813, 37.786

# Sweetspot

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



71, 27.814, 167.785



93, 10.664, 170.478



72, 39.987, 131.359



50, 7.219, 170.343



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



71, 27.814, 167.785



89, 40.858, 166.739



69, 20.109, 210.506



39, 4.488, 170.658



57, 53.441, 157.176



9, 15.049, 163.621



# Inverse Universe

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



58, 30.187, 355.462



69, 45.156, 356.772



59, 26.172, 31.729



37, 4.584, 352.243



33, 59.651, 14.069



3, 13.128, 359.105



# Previews

## White Background



This preview shows how the CIELCh color 71, 27.813, 167.786 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 71, 27.813, 167.786 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 71, 27.813, 167.786

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 27.813, 167.786.

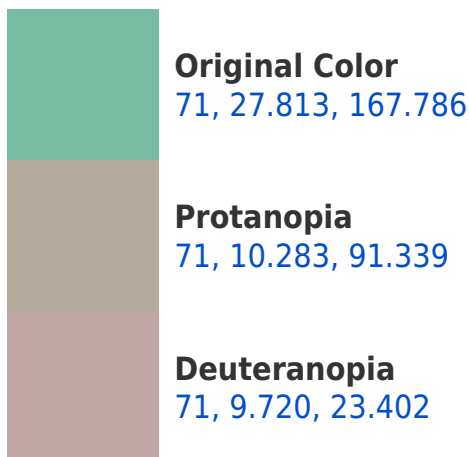


This preview shows how white text looks on a background with the CIELCh color 71, 27.813, 167.786.

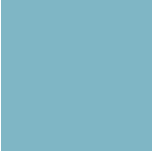
# Color Blindness Simulation

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





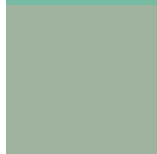


**Tritanopia**  
71, 19.448, 223.259

# Trichromacy



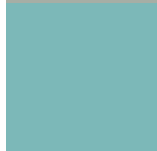
**Original Color**  
71, 27.813, 167.786



**Protanomaly**  
71, 13.814, 142.525



**Deuteranomaly**  
70, 5.798, 141.185



**Tritanomaly**  
71, 20.194, 197.826

# Monochromacy



**Original Color**  
71, 27.813, 167.786



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
68, 10.276, 169.751

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 27.813, 167.786 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(119, 187, 162)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 162)  
}
```

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(119, 187, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 162) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 27.813, 167.786 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(119, 187, 162) }
```

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

```
.border{ border-color:rgb(119, 187, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 187, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 162);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
162) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 27.813, 167.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 162) }
```

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

```
.background{ background-color: rgb(119,  
187, 162) }
```

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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