

# Converting Colors

CIELCh(70, 26.176, 166.481)

Have a look what the booklet for  
CIELCh(70, 26.176, 166.481)  
contains.

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**Color**

**CIELCh(70, 26.534, 166.229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79B89F
RGB	121, 184, 159
RGB Percent	47%, 72%, 62%
CMY	0.5262, 0.2792, 0.3772
CMYK	0.34, 0.00, 0.14, 0.28
HSL	156°, 31%, 60%
HSV	156°, 34%, 72%
XYZ	31.2016, 40.7494, 38.9372
YIQ	162.3130, -29.5230, -21.1310

# Conversions

## Conversions Part 2

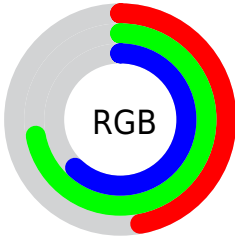
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 160, 184
Decimal	7977119
CIELab	70.00, -25.77, 6.32
CIELCh	70, 26.534, 166.229
Yxy	40.7494, 0.2814, 0.3675
Android (android.graphics.Color)	4286167199 (0xFF79B89F)
YUV	162.3130, -1.6333, -36.2315
Hunter-Lab	63.8353, -24.4638, 8.5199

# Details

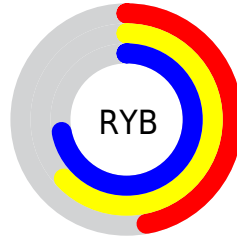
The CIELCh color **70, 26.534, 166.229** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58, 28.403, 353.242**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 26.331, 166.793**, and **50, 26.629, 166.370** is the 20% darker color. If you saturate the color by 10%, you get **69, 33.689, 164.995**, and if you desaturate by 10%, it is **71, 19.016, 167.340**.

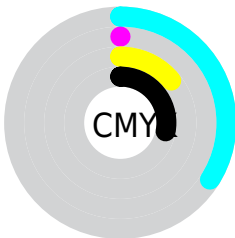
# Distribution



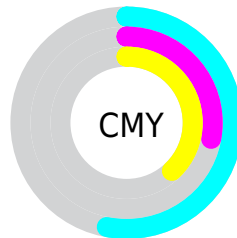
- Red (47%)
- Green (72%)
- Blue (62%)



- Red (47%)
- Yellow (63%)
- Blue (72%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (28%)




- Cyan (53%)
- Magenta (28%)
- Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 26.534, 166.229 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, 26.534, 166.229 by changing the saturation by 10% instead.





 70, 26.534,  
166.229


 70, 26.534,  
166.229


 100, 26.534,  
166.229


 60, 26.534,  
166.229


 90, 26.534,  
166.229

 50, 26.534,  
166.229

 40, 26.534,  
166.229

 30, 26.534,  
166.229

 20, 26.534,  
166.229

 10, 26.534,  
166.229

 0, 26.534, 166.229

70, 26.534,  
166.229

70, 26.534,  
166.229

69, 33.689,  
164.995

71, 19.016,  
167.340

68, 40.348,  
163.618

73, 11.259,  
168.359

67, 46.391,  
162.071

74, 3.376, 169.364

67, 51.723,  
160.332

76, 4.538, 349.997

66, 56.299,  
158.386

77, 12.409,  
350.843

66, 60.140,  
156.236

79, 20.178,  
351.594

66, 62.140,  
154.987

81, 27.805,  
352.294

82, 31.268,  
348.071

■ 82, 33.310,  
342.399

# Harmonies

# Complementary

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



70, 26.534, 166.229



58, 28.403, 353.242

# Rectangle

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



70, 26.534, 166.229



70, 26.534, 216.229



70, 26.534, 346.229



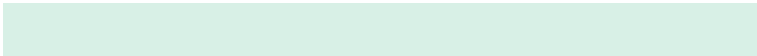
70, 26.534, 36.229

# Sweetspot

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



70, 26.535, 166.228



93, 9.803, 168.760



71, 37.026, 130.918



49, 6.681, 168.624



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, 26.535, 166.228



88, 38.906, 165.326



69, 19.116, 208.458



38, 4.473, 168.842



57, 54.607, 155.309



8, 13.437, 162.510



# Inverse Universe

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



58, 28.403, 353.242



70, 42.233, 354.307



59, 24.441, 30.148



36, 4.558, 350.398



33, 58.581, 11.216



2, 11.607, 356.585



# Previews

## White Background



This preview shows how the CIELCh color 70, 26.534, 166.229 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, 26.534, 166.229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

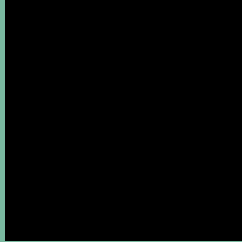
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 70, 26.534, 166.229**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 26.534, 166.229.



This preview shows how white text looks on a background with the CIELCh color 70, 26.534, 166.229.

# 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, 26.534, 166.229

**Protanopia**  
70, 10.828, 92.117

**Deuteranopia**  
70, 9.813, 26.565





**Tritanopia**  
70, 17.991, 223.641

# Trichromacy



**Original Color**  
70, 26.534, 166.229

**Protanomaly**  
70, 13.443, 139.915

**Deuteranomaly**  
70, 6.601, 133.446

**Tritanomaly**  
70, 18.734, 197.923

# Monochromacy



**Original Color**  
70, 26.534, 166.229

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 9.982, 168.777

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 26.534, 166.229 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(121, 184, 159)` looks like.

```
.text, #text, p{  
    color:rgb(121, 184, 159)  
}
```

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(121, 184, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 184, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 26.534, 166.229 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(121, 184, 159) }
```

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

```
.border{ border-color:rgb(121, 184, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 184, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 184, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 184, 159);  
box-shadow:4px 4px 4px 4px rgb(121, 184,  
159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 26.534, 166.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 184, 159) }
```

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

```
.background{ background-color: rgb(121,  
184, 159) }
```

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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