

# Converting Colors

CIELCh(70, 33.820, 161.520)

Have a look what the booklet for  
CIELCh(70, 33.820, 161.520)  
contains.

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**Color**

**CIELCh(70, 33.543, 162.003)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DBA97
RGB	109, 186, 151
RGB Percent	43%, 73%, 59%
CMY	0.5715, 0.2695, 0.4068
CMYK	0.41, 0.00, 0.19, 0.27
HSL	153°, 36%, 58%
HSV	153°, 41%, 73%
XYZ	29.5673, 40.7494, 35.7008
YIQ	158.9870, -34.6570, -27.2090

# Conversions

## Conversions Part 2

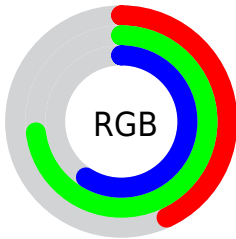
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 159, 186
Decimal	7191191
CIELab	70.00, -31.90, 10.36
CIElCh	70, 33.543, 162.003
Yxy	40.7494, 0.2789, 0.3844
Android (android.graphics.Color)	4285381271 (0xFF6DBA97)
YUV	158.9870, -3.9376, -43.8386
Hunter-Lab	63.8353, -29.0338, 11.5259

# Details

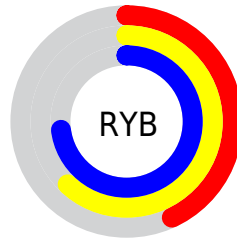
The CIELCh color **70, 33.543, 162.003** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 35.670, 350.522**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 33.806, 161.558**, and **50, 33.433, 162.121** is the 20% darker color. If you saturate the color by 10%, you get **69, 40.884, 160.668**, and if you desaturate by 10%, it is **71, 25.764, 163.190**.

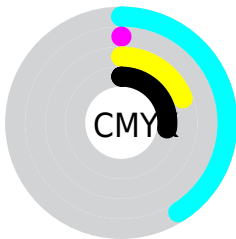
# Distribution



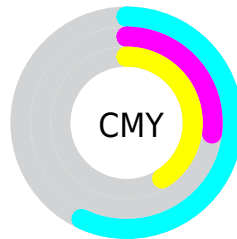
- Red (43%)
- Green (73%)
- Blue (59%)



- Red (43%)
- Yellow (62%)
- Blue (73%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (27%)




- Cyan (57%)
- Magenta (27%)
- Yellow (41%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 33.543, 162.003 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, 33.543, 162.003 by changing the saturation by 10% instead.





 70, 33.543,  
162.003


 70, 33.543,  
162.003


 100, 33.543,  
162.003


 60, 33.543,  
162.003


 90, 33.543,  
162.003

 50, 33.543,  
162.003

 40, 33.543,  
162.003

 30, 33.543,  
162.003

 20, 33.543,  
162.003

 10, 33.543,  
162.003

 0, 33.543, 162.003

70, 33.543,  
162.003

70, 33.543,  
162.003

69, 40.884,  
160.668

71, 25.764,  
163.190

68, 47.650,  
159.162

72, 17.683,  
164.256

68, 53.727,  
157.463

74, 9.427, 165.230

67, 59.042,  
155.554

75, 1.108, 166.417

77, 7.185, 346.795

67, 63.587,  
153.439

79, 15.383,  
347.559

67, 67.042,  
151.526

81, 23.434,  
348.250

83, 30.306,  
347.487

■ 83, 32.759,  
340.847

# Harmonies

# Complementary

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



70, 33.543, 162.003



56, 35.670, 350.522

# Rectangle

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



70, 33.543, 162.003



70, 33.543, 212.003



70, 33.543, 342.003



70, 33.543, 32.003

# Sweetspot

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



70, 33.544, 162.002



93, 12.348, 165.149



71, 44.126, 128.322



50, 8.255, 165.025



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



70, 33.544, 162.002



88, 49.345, 160.741



70, 24.027, 200.930



39, 4.762, 165.417



57, 59.018, 151.839



9, 16.085, 159.017



# Inverse Universe

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



56, 35.670, 350.522



66, 52.987, 351.958



55, 32.363, 25.758



37, 4.834, 346.924



33, 59.069, 5.735



3, 13.622, 354.247



# Previews

## White Background



This preview shows how the CIELCh color 70, 33.543, 162.003 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, 33.543, 162.003 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, 33.543, 162.003**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 33.543, 162.003.



This preview shows how white text looks on a background with the CIELCh color 70, 33.543, 162.003.

# 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, 33.543, 162.003

**Protanopia**  
70, 15.151, 94.839

**Deuteranopia**  
70, 11.961, 41.569





**Tritanopia**  
70, 20.735, 221.564

# Trichromacy



**Original Color**  
70, 33.543, 162.003

**Protanomaly**  
69, 18.505, 136.017

**Deuteranomaly**  
69, 10.597, 130.555

**Tritanomaly**  
70, 22.222, 193.360

# Monochromacy



**Original Color**  
70, 33.543, 162.003

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
67, 12.799, 164.203

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 33.543, 162.003 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(109, 186, 151)` looks like.

```
.text, #text, p{  
    color:rgb(109, 186, 151)  
}
```

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(109, 186, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 186, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 33.543, 162.003 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(109, 186, 151) }
```

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

```
.border{ border-color:rgb(109, 186, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 186, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 186, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 186, 151);  
box-shadow:4px 4px 4px 4px rgb(109, 186,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 33.543, 162.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 186, 151) }
```

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

```
.background{ background-color: rgb(109,  
186, 151) }
```

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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