

# Converting Colors

CIELCh(70, 41.862, 140.874)

Have a look what the booklet for  
CIELCh(70, 41.862, 140.874)  
contains.

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**Color**

**CIELCh(70, 41.824, 140.889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DBA7A
RGB	125, 186, 122
RGB Percent	49%, 73%, 48%
CMY	0.5108, 0.2716, 0.5225
CMYK	0.33, 0.00, 0.34, 0.27
HSL	117°, 32%, 60%
HSV	117°, 34%, 73%
XYZ	29.4234, 40.7494, 24.6489
YIQ	160.4650, -15.8120, -32.8360

# Conversions

## Conversions Part 2

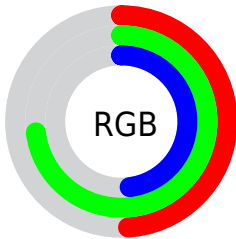
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 186, 183
Decimal	8239738
CIELab	70.00, -32.45, 26.38
CIELCh	70, 41.824, 140.889
Yxy	40.7494, 0.3103, 0.4297
Android (android.graphics.Color)	4286429818 (0xFF7DBA7A)
YUV	160.4650, -18.9632, -31.1028
Hunter-Lab	63.8353, -29.4362, 21.7908

# Details

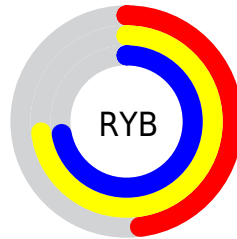
The CIELCh color **70, 41.824, 140.889** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **59, 41.921, 324.924**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 41.595, 141.081**, and **50, 41.781, 140.667** is the 20% darker color. If you saturate the color by 10%, you get **69, 53.503, 139.995**, and if you desaturate by 10%, it is **71, 29.758, 141.685**.

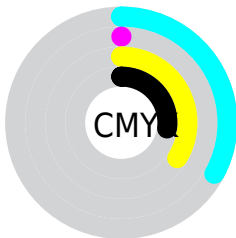
# Distribution



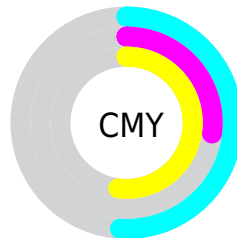
- Red (49%)
- Green (73%)
- Blue (48%)



- Red (48%)
- Yellow (73%)
- Blue (72%)



- Cyan (33%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)




- Cyan (51%)
- Magenta (27%)
- Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 41.824, 140.889 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, 41.824, 140.889 by changing the saturation by 10% instead.





 70, 41.824,  
140.889


 70, 41.824,  
140.889


 100, 41.824,  
140.889


 60, 41.824,  
140.889


 90, 41.824,  
140.889

 50, 41.824,  
140.889

 40, 41.824,  
140.889

 30, 41.824,  
140.889

 20, 41.824,  
140.889

 10, 41.824,  
140.889

 0, 41.824, 140.889

70, 41.824,  
140.889

70, 41.824,  
140.889

69, 53.503,  
139.995

71, 29.758,  
141.685

68, 64.478,  
139.023

73, 17.543,  
142.379

67, 74.360,  
138.028

75, 5.362, 142.999

67, 82.681,  
137.106

76, 6.654, 323.422

66, 88.944,  
136.389

79, 18.416,  
323.871

66, 92.788,  
136.001

81, 29.867,  
324.236

66, 94.150,  
135.824

83, 40.974,  
324.544

84, 43.406,  
325.928



# Harmonies

# Complementary

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



70, 41.824, 140.889



59, 41.921, 324.924

# Rectangle

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



70, 41.824, 140.889



70, 41.824, 190.889



70, 41.824, 320.889



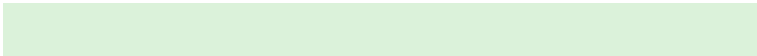
70, 41.824, 10.889

# Sweetspot

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



70, 41.825, 140.889



93, 15.032, 142.648



73, 32.433, 104.647



50, 10.348, 142.561



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, 41.825, 140.889



88, 61.428, 140.251



70, 30.388, 157.897



38, 6.795, 142.700



56, 82.529, 135.778



8, 18.686, 143.531



# Inverse Universe

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



59, 41.921, 324.924



72, 61.514, 325.259



59, 31.362, 344.116



36, 6.811, 323.646



35, 80.079, 326.423



3, 18.386, 322.760



# Previews

## White Background



This preview shows how the CIELCh color 70, 41.824, 140.889 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, 41.824, 140.889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

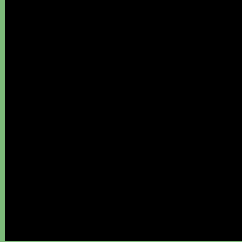
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 70, 41.824, 140.889**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 41.824, 140.889.



This preview shows how white text looks on a background with the CIELCh color 70, 41.824, 140.889.

# 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, 41.824, 140.889

**Protanopia**  
70, 30.356, 95.841

**Deuteranopia**  
70, 25.623, 69.453





**Tritanopia**  
70, 15.061, 229.302

# Trichromacy



**Original Color**  
70, 41.824, 140.889

**Protanomaly**  
69, 32.241, 117.299

**Deuteranomaly**  
69, 24.948, 105.718

**Tritanomaly**  
70, 18.704, 173.611

# Monochromacy



**Original Color**  
70, 41.824, 140.889

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
67, 15.311, 142.523

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 41.824, 140.889 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(125, 186, 122)` looks like.

```
.text, #text, p{  
    color:rgb(125, 186, 122)  
}
```

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(125, 186, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 186, 122) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 41.824, 140.889 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(125, 186, 122) }
```

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

```
.border{ border-color:rgb(125, 186, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 186, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 186, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 186, 122);  
box-shadow:4px 4px 4px 4px rgb(125, 186,  
122) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 41.824, 140.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 186, 122) }
```

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

```
.background{ background-color: rgb(125,  
186, 122) }
```

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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