

# Converting Colors

CIELCh(70, 43.610, 139.442)

Have a look what the booklet for  
CIELCh(70, 43.610, 139.442)  
contains.

<b>CIELCh(70, 43.609, 139.355)</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, 43.609, 139.355)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7DBA76
RGB	125, 186, 118
RGB Percent	49%, 73%, 46%
CMY	0.5101, 0.2708, 0.5375
CMYK	0.33, 0.00, 0.37, 0.27
HSL	114°, 33%, 60%
HSV	114°, 37%, 73%
XYZ	29.2576, 40.7494, 23.4425
YIQ	160.0090, -14.5280, -34.0800

# Conversions

## Conversions Part 2

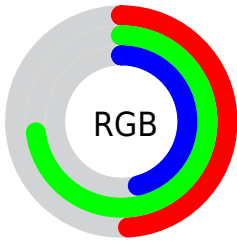
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 186, 179
Decimal	8239734
CIELab	70.00, -33.09, 28.41
CIElCh	70, 43.609, 139.355
Yxy	40.7494, 0.3131, 0.4361
Android (android.graphics.Color)	4286429814 (0xFF7DBA76)
YUV	160.0090, -20.7104, -30.7029
Hunter-Lab	63.8353, -29.8998, 22.9113

# Details

The CIELCh color **70, 43.609, 139.355** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **58, 43.901, 323.357**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 43.129, 139.244**, and **50, 43.146, 139.444** is the 20% darker color. If you saturate the color by 10%, you get **69, 55.030, 138.541**, and if you desaturate by 10%, it is **71, 31.787, 140.096**.

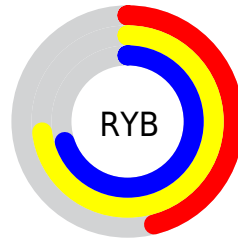
# Distribution



Red (49%)

Green (73%)

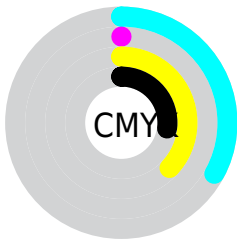
Blue (46%)



Red (46%)

Yellow (73%)

Blue (70%)

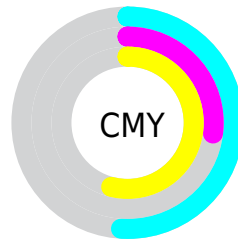


Cyan (33%)

Magenta (0%)

Yellow (37%)

Black (27%)



Cyan (51%)

Magenta (27%)


Yellow (54%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 43.609, 139.355 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, 43.609, 139.355 by changing the saturation by 10% instead.





 70, 43.609,  
139.355


 70, 43.609,  
139.355


 100, 43.609,  
139.355


 60, 43.609,  
139.355


 90, 43.609,  
139.355

 50, 43.609,  
139.355

 40, 43.609,  
139.355

 30, 43.609,  
139.355

 20, 43.609,  
139.355

 10, 43.609,  
139.355

 0, 43.609, 139.355

70, 43.609,  
139.355

70, 43.609,  
139.355

69, 55.030,  
138.541

71, 31.787,  
140.096

68, 65.739,  
137.684

73, 19.793,  
140.752

67, 75.345,  
136.850

74, 7.804, 141.334

76, 4.054, 321.736

67, 83.374,  
136.143

78, 15.691,  
322.190

66, 89.333,  
135.695

80, 27.051,  
322.548

66, 92.936,  
135.589

82, 38.098,  
322.848

66, 93.853,  
135.538

84, 43.289,  
325.924



# Harmonies

# Complementary

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



70, 43.609, 139.355



58, 43.901, 323.357

# Rectangle

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



70, 43.609, 139.355



70, 43.609, 189.355



70, 43.609, 319.355



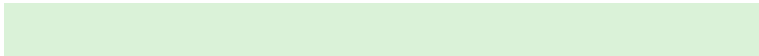
70, 43.609, 9.355

# Sweetspot

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



70, 43.610, 139.356



93, 16.249, 141.072



72, 32.342, 101.054



50, 11.015, 140.993



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, 43.610, 139.356



88, 64.602, 138.695



70, 33.992, 154.610



38, 6.673, 141.178



56, 82.168, 135.456



8, 18.444, 142.408



# Inverse Universe

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



58, 43.901, 323.357



70, 65.022, 323.701



58, 34.734, 340.872



36, 6.696, 322.060



34, 80.439, 324.298



3, 17.914, 320.375



# Previews

## White Background



This preview shows how the CIELCh color 70, 43.609, 139.355 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, 43.609, 139.355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

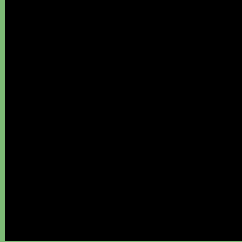
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 43.609, 139.355

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 43.609, 139.355.



This preview shows how white text looks on a background with the CIELCh color 70, 43.609, 139.355.

# 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, 43.609, 139.355

**Protanopia**  
70, 32.002, 95.432

**Deuteranopia**  
70, 27.693, 71.202





**Tritanopia**  
70, 15.061, 229.302

# Trichromacy



**Original Color**  
70, 43.609, 139.355



**Protanomaly**  
70, 33.705, 116.028



**Deuteranomaly**  
69, 27.092, 104.753



**Tritanomaly**  
70, 19.267, 170.721

# Monochromacy



**Original Color**  
70, 43.609, 139.355



**Achromatopsia**  
66, 0.008, 296.813



**Achromatomaly**  
67, 15.776, 141.430

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 43.609, 139.355 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(125, 186, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 186, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 43.609, 139.355 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, 118) }
```

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

```
.border{ border-color:rgb(125, 186, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 186, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 186, 118);  
box-shadow:4px 4px 4px 4px rgb(125, 186,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 43.609, 139.355 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, 118) }
```

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

```
.background{ background-color: rgb(125,  
186, 118) }
```

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