

Converting Colors

CIELCh(70, 39.376, 136.199)

Have a look what the booklet for
CIELCh(70, 39.376, 136.199)
contains.

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Color

CIELCh(70, 39.507, 135.981)

Conversions

Conversions Part 1

Format	Color
Hex	87B878
RGB	135, 184, 120
RGB Percent	53%, 72%, 47%
CMY	0.4709, 0.2787, 0.5297
CMYK	0.27, 0.00, 0.35, 0.28
HSL	106°, 31%, 60%
HSV	106°, 35%, 72%
XYZ	30.4910, 40.7494, 24.0057
YIQ	162.0530, -8.6600, -30.2920

Conversions

Conversions Part 2

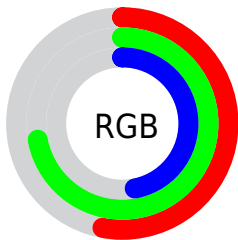
Format	Color
RYB	120, 184, 169
Decimal	8894584
CIELab	70.00, -28.41, 27.45
CIElCh	70, 39.507, 135.981
Yxy	40.7494, 0.3201, 0.4278
Android (android.graphics.Color)	4287084664 (0xFF87B878)
YUV	162.0530, -20.7321, -23.7255
Hunter-Lab	63.8353, -26.4509, 22.3883

Details

The CIELCh color **70, 39.507, 135.981** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **57, 40.254, 319.268**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 39.363, 136.233**, and **50, 39.575, 136.298** is the 20% darker color. If you saturate the color by 10%, you get **69, 50.519, 135.360**, and if you desaturate by 10%, it is **71, 28.208, 136.569**.

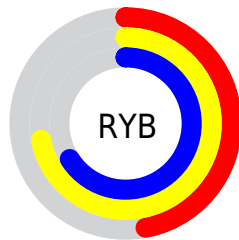
Distribution



Red (53%)

Green (72%)

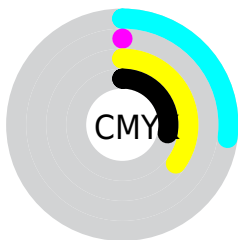
Blue (47%)



Red (47%)

Yellow (72%)

Blue (66%)

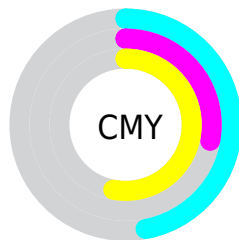


Cyan (27%)

Magenta (0%)

Yellow (35%)

Black (28%)



Cyan (47%)


Magenta (28%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 39.507, 135.981 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, 39.507, 135.981 by changing the saturation by 10% instead.


 70, 39.507,
135.981


 70, 39.507,
135.981


 100, 39.507,
135.981


 60, 39.507,
135.981


 90, 39.507,
135.981

 50, 39.507,
135.981

 40, 39.507,
135.981

 30, 39.507,
135.981

 20, 39.507,
135.981

 10, 39.507,
135.981

 0, 39.507, 135.981

70, 39.507,
135.981

70, 39.507,
135.981

69, 50.519,
135.360

71, 28.208,
136.569

68, 60.994,
134.740

73, 16.799,
137.107

67, 70.600,
134.187

74, 5.413, 137.604

67, 78.908,
133.801

76, 5.856, 317.952

77, 16.942,
318.333

66, 85.436,
133.708

79, 27.800,
318.648

66, 89.802,
134.010

81, 38.404,
318.916

66, 91.477,
134.206

83, 43.327,
322.946

■ 83, 44.534,
325.967

Harmonies

Complementary

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



70, 39.507, 135.981



57, 40.254, 319.268

Rectangle

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



70, 39.507, 135.981



70, 39.507, 185.981



70, 39.507, 315.981



70, 39.507, 5.981

Sweetspot

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



70, 39.508, 135.982



93, 14.053, 137.338



69, 26.972, 93.003



49, 9.589, 137.269



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, 39.508, 135.982



88, 58.852, 135.491



69, 35.595, 149.541



38, 6.408, 137.379



56, 80.681, 134.066



8, 17.908, 139.664

Inverse Universe

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



57, 40.254, 319.268



69, 60.171, 319.584



58, 35.847, 334.713



36, 6.449, 318.155



30, 81.802, 319.624



2, 17.021, 314.886

Previews

White Background



This preview shows how the CIELCh color 70, 39.507, 135.981 looks on a white background.

Color Contrast Check

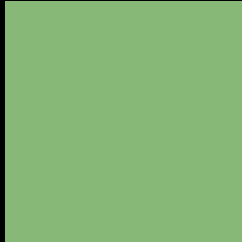
Large Text (above 18pt) WCAG AA × Fail

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, 39.507, 135.981 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, 39.507, 135.981

Background



This preview shows how black text looks on a background with the CIELCh color 70, 39.507, 135.981.



This preview shows how white text looks on a background with the CIELCh color 70, 39.507, 135.981.

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](#).

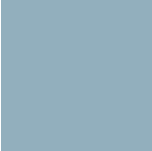
Dichromacy



Original Color
70, 39.507, 135.981

Protanopia
70, 30.967, 95.186

Deuteranopia
70, 27.241, 70.620



Tritanopia
70, 12.440, 237.038

Trichromacy



Original Color
70, 39.507, 135.981

Protanomaly
70, 31.888, 112.950

Deuteranomaly
69, 26.165, 101.112

Tritanomaly
70, 15.402, 168.252

Monochromacy



Original Color
70, 39.507, 135.981

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 14.475, 137.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 39.507, 135.981 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(135, 184, 120)` looks like.

```
.text, #text, p{  
    color:rgb(135, 184, 120)  
}
```

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(135, 184, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 184, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 39.507, 135.981 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(135, 184, 120) }
```

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

```
.border{ border-color:rgb(135, 184, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 184, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 184, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 184, 120);  
box-shadow:4px 4px 4px 4px rgb(135, 184,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 39.507, 135.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 184, 120) }
```

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

```
.background{ background-color: rgb(135,  
184, 120) }
```

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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