

Converting Colors

CIELCh(71, 39.643, 142.204)

Have a look what the booklet for
CIELCh(71, 39.643, 142.204)
contains.

CIELCh(71, 39.764, 142.197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 39.764, 142.197)

Conversions

Conversions Part 1

Format	Color
Hex	80BC80
RGB	128, 188, 128
RGB Percent	50%, 74%, 50%
CMY	0.4975, 0.2622, 0.4975
CMYK	0.32, 0.00, 0.32, 0.26
HSL	120°, 31%, 62%
HSV	120°, 32%, 74%
XYZ	30.8403, 42.1875, 26.9846
YIQ	163.2200, -16.5000, -31.3800

Conversions

Conversions Part 2

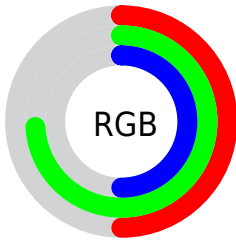
Format	Color
RYB	128, 188, 188
Decimal	8436864
CIELab	71.00, -31.42, 24.37
CIELCh	71, 39.764, 142.197
Yxy	42.1875, 0.3084, 0.4218
Android (android.graphics.Color)	4286626944 (0xFF80BC80)
YUV	163.2200, -17.3635, -30.8879
Hunter-Lab	64.9519, -28.9110, 20.8340

Details

The CIELCh color **71, 39.764, 142.197** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **61, 39.749, 326.148**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 40.217, 142.284**, and **51, 39.664, 142.122** is the 20% darker color. If you saturate the color by 10%, you get **70, 51.827, 141.245**, and if you desaturate by 10%, it is **72, 27.341, 143.029**.

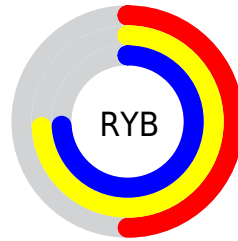
Distribution



Red (50%)

Green (74%)

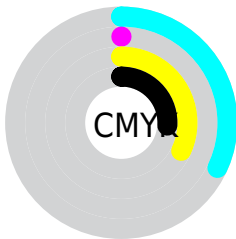
Blue (50%)



Red (50%)

Yellow (74%)

Blue (74%)

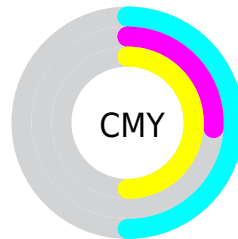


Cyan (32%)

Magenta (0%)

Yellow (32%)

Black (26%)



Cyan (50%)


Magenta (26%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 39.764, 142.197 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 71, 39.764, 142.197 by changing the saturation by 10% instead.


 71, 39.764,
142.197


 71, 39.764,
142.197


 100, 39.764,
142.197


 61, 39.764,
142.197


 91, 39.764,
142.197

 51, 39.764,
142.197

 41, 39.764,
142.197

 31, 39.764,
142.197

 21, 39.764,
142.197

 11, 39.764,
142.197

 1, 39.764, 142.197

■ 0, 39.764, 142.197

■ 71, 39.764,
142.197

■ 71, 39.764,
142.197

■ 70, 51.827,
141.245

■ 72, 27.341,
143.029

■ 69, 63.208,
140.186

■ 74, 14.803,
143.748

■ 68, 73.515,
139.061

■ 76, 2.336, 144.441

■ 67, 82.283,
137.956

■ 78, 9.926, 324.823

■ 67, 89.015,
137.001

■ 80, 21.896,
325.269

■ 67, 93.309,
136.339

■ 82, 33.519,
325.639

■ 84, 41.914,

■ 67, 95.304,
136.016

325.878

Harmonies

Complementary

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



71, 39.764, 142.197



61, 39.749, 326.148

Rectangle

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



71, 39.764, 142.197



71, 39.764, 192.197



71, 39.764, 322.197



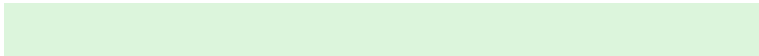
71, 39.764, 12.197

Sweetspot

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



71, 39.765, 142.197



94, 15.393, 143.863



75, 31.359, 106.407



50, 10.507, 143.770



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 39.765, 142.197



89, 58.408, 141.570



72, 27.748, 159.826



39, 7.057, 143.916



57, 83.795, 136.016



9, 21.678, 144.391

Inverse Universe

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



61, 39.749, 326.148



75, 58.314, 326.488



61, 28.752, 345.681



37, 7.068, 324.927



37, 80.849, 328.230



3, 21.489, 325.457

Previews

White Background



This preview shows how the CIELCh color 71, 39.764, 142.197 looks on a white background.

Color Contrast Check

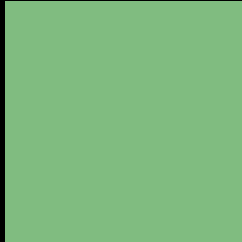
Large Text (above 18pt) WCAG AA × Fail

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 71, 39.764, 142.197 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 71, 39.764, 142.197

Background



This preview shows how black text looks on a background with the CIELCh color 71, 39.764, 142.197.



This preview shows how white text looks on a background with the CIELCh color 71, 39.764, 142.197.

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

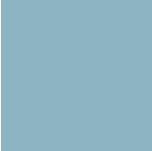
71, 39.764, 142.197

Protanopia

71, 28.186, 95.358

Deuteranopia

71, 23.922, 68.155



Tritanopia
71, 15.304, 228.648

Trichromacy



Original Color
71, 39.764, 142.197

Protanomaly
71, 30.015, 117.434

Deuteranomaly
70, 23.275, 105.806

Tritanomaly
71, 18.396, 175.160

Monochromacy



Original Color
71, 39.764, 142.197

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 14.801, 143.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 39.764, 142.197 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(128, 188, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 188, 128)  
}
```

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(128, 188, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 188, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 39.764, 142.197 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(128, 188, 128) }
```

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

```
.border{ border-color:rgb(128, 188, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 188, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 188, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 188, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 188,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 39.764, 142.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 188, 128) }
```

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

```
.background{ background-color: rgb(128,  
188, 128) }
```

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