

Converting Colors

CIELCh(71, 41.242, 135.004)

Have a look what the booklet for
CIELCh(71, 41.242, 135.004)
contains.

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Color

CIELCh(71, 41.431, 135.010)

Conversions

Conversions Part 1

Format	Color
Hex	89BB77
RGB	137, 187, 119
RGB Percent	54%, 73%, 47%
CMY	0.4628, 0.2667, 0.5334
CMYK	0.27, 0.00, 0.36, 0.27
HSL	104°, 33%, 60%
HSV	104°, 36%, 73%
XYZ	31.4139, 42.1875, 23.9380
YIQ	164.2980, -7.9720, -31.7480

Conversions

Conversions Part 2

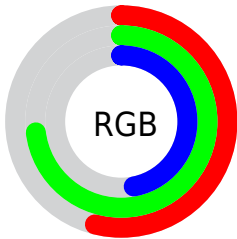
Format	Color
RYB	119, 187, 169
Decimal	9026423
CIELab	71.00, -29.30, 29.29
CIELCh	71, 41.431, 135.010
Yxy	42.1875, 0.3221, 0.4325
Android (android.graphics.Color)	4287216503 (0xFF89BB77)
YUV	164.2980, -22.3319, -23.9403
Hunter-Lab	64.9519, -27.3346, 23.6150

Details

The CIELCh color **71, 41.431, 135.010** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **57, 42.388, 318.387**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 41.064, 134.886**, and **51, 41.363, 134.803** is the 20% darker color. If you saturate the color by 10%, you get **70, 52.427, 134.420**, and if you desaturate by 10%, it is **72, 30.119, 135.580**.

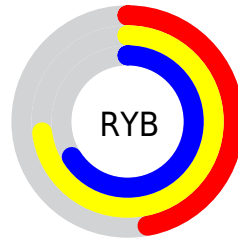
Distribution



Red (54%)

Green (73%)

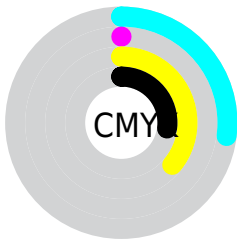
Blue (47%)



Red (47%)

Yellow (73%)

Blue (66%)

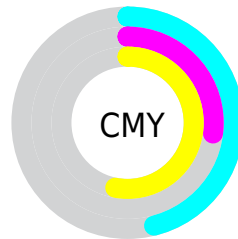


Cyan (27%)

Magenta (0%)

Yellow (36%)

Black (27%)



Cyan (46%)


Magenta (27%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 41.431, 135.010 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, 41.431, 135.010 by changing the saturation by 10% instead.


 71, 41.431,
135.010


 71, 41.431,
135.010


 100, 41.431,
135.010


 61, 41.431,
135.010


 91, 41.431,
135.010

 51, 41.431,
135.010

 41, 41.431,
135.010

 31, 41.431,
135.010

 21, 41.431,
135.010

 11, 41.431,
135.010

 1, 41.431, 135.010

■ 0, 41.431, 135.010

■ 71, 41.431,
135.010

■ 71, 41.431,
135.010

■ 70, 52.427,
134.420

■ 72, 30.119,
135.580

■ 69, 62.847,
133.850

■ 73, 18.674,
136.108

■ 68, 72.347,
133.373

■ 75, 7.229, 136.595

■ 68, 80.484,
133.096

■ 76, 4.117, 316.942

■ 67, 86.772,
133.145

■ 78, 15.297,
317.337

■ 67, 90.899,
133.598

■ 80, 26.264,
317.657

■ 82, 36.989,

■ 67, 92.091,
133.765

317.930

■ 83, 41.313,
322.489

■ 84, 42.627,
325.902

Harmonies

Complementary

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



71, 41.431, 135.010



57, 42.388, 318.387

Rectangle

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



71, 41.431, 135.010



71, 41.431, 185.010



71, 41.431, 315.010



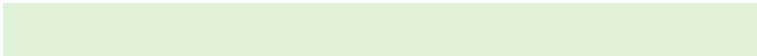
71, 41.431, 5.010

Sweetspot

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



71, 41.432, 135.011



94, 15.460, 136.364



70, 28.166, 91.603



50, 10.478, 136.298



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, 41.432, 135.011



89, 61.499, 134.518



70, 38.146, 148.784



39, 6.496, 136.451



57, 81.186, 133.615



9, 20.331, 139.098

Inverse Universe

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



57, 42.388, 318.387



68, 63.200, 318.715



59, 38.365, 334.163



37, 6.542, 317.216



30, 83.201, 318.606



2, 19.134, 314.003

Previews

White Background



This preview shows how the CIELCh color 71, 41.431, 135.010 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, 41.431, 135.010 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, 41.431, 135.010

Background



This preview shows how black text looks on a background with the CIELCh color 71, 41.431, 135.010.



This preview shows how white text looks on a background with the CIELCh color 71, 41.431, 135.010.

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, 41.431, 135.010

Protanopia
71, 32.940, 95.729

Deuteranopia
71, 28.757, 71.699



Tritanopia
71, 12.413, 236.997

Trichromacy



Original Color
71, 41.431, 135.010

Protanomaly
71, 33.915, 113.140

Deuteranomaly
71, 28.198, 101.389

Tritanomaly
71, 15.990, 164.985

Monochromacy



Original Color
71, 41.431, 135.010

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 14.927, 136.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 41.431, 135.010 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(137, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(137, 187, 119)  
}
```

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(137, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 187, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 41.431, 135.010 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(137, 187, 119) }
```

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

```
.border{ border-color:rgb(137, 187, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 187, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 187, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 187, 119);  
box-shadow:4px 4px 4px 4px rgb(137, 187,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 41.431, 135.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 187, 119) }
```

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

```
.background{ background-color: rgb(137,  
187, 119) }
```

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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