

Converting Colors

CIELCh(71, 42.627, 137.571)

Have a look what the booklet for
CIELCh(71, 42.627, 137.571)
contains.

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Color

CIELCh(71, 42.540, 137.487)

Conversions

Conversions Part 1

Format	Color
Hex	84BC78
RGB	132, 188, 120
RGB Percent	52%, 74%, 47%
CMY	0.4826, 0.2630, 0.5297
CMYK	0.30, 0.00, 0.36, 0.26
HSL	109°, 34%, 60%
HSV	109°, 36%, 74%
XYZ	30.8567, 42.1875, 24.2633
YIQ	163.5040, -11.5480, -33.0200

Conversions

Conversions Part 2

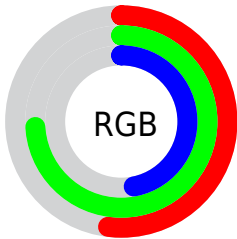
Format	Color
RYB	120, 188, 176
Decimal	8699000
CIELab	71.00, -31.36, 28.75
CIElCh	71, 42.540, 137.487
Yxy	42.1875, 0.3171, 0.4335
Android (android.graphics.Color)	4286889080 (0xFF84BC78)
YUV	163.5040, -21.4475, -27.6290
Hunter-Lab	64.9519, -28.8658, 23.3180

Details

The CIELCh color **71, 42.540, 137.487** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **58, 43.116, 321.115**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 42.711, 137.407**, and **51, 42.512, 137.271** is the 20% darker color. If you saturate the color by 10%, you get **70, 53.865, 136.787**, and if you desaturate by 10%, it is **72, 30.865, 138.139**.

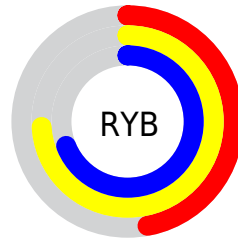
Distribution



Red (52%)

Green (74%)

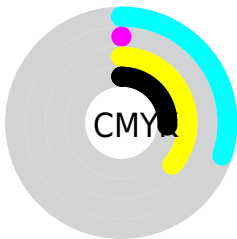
Blue (47%)



Red (47%)

Yellow (74%)

Blue (69%)

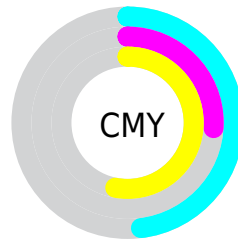


Cyan (30%)

Magenta (0%)

Yellow (36%)

Black (26%)



Cyan (48%)


Magenta (26%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 42.540, 137.487 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, 42.540, 137.487 by changing the saturation by 10% instead.


 71, 42.540,
137.487


 71, 42.540,
137.487


 100, 42.540,
137.487


 61, 42.540,
137.487


 91, 42.540,
137.487

 51, 42.540,
137.487

 41, 42.540,
137.487

 31, 42.540,
137.487

 21, 42.540,
137.487

 11, 42.540,
137.487

 1, 42.540, 137.487

■ 0, 42.540, 137.487

■ 71, 42.540,
137.487

■ 71, 42.540,
137.487

■ 70, 53.865,
136.787

■ 72, 30.865,
138.139

■ 69, 64.556,
136.074

■ 74, 19.046,
138.727

■ 68, 74.243,
135.417

■ 75, 7.237, 139.257

■ 68, 82.463,
134.918

■ 77, 4.451, 319.628

■ 79, 15.939,
320.045

■ 67, 88.720,
134.707

■ 81, 27.176,
320.378

■ 67, 92.685,
134.868

■ 83, 38.131,

■ 67, 93.829,
134.926

320.660

■ 84, 42.048,
325.882

Harmonies

Complementary

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



71, 42.540, 137.487



58, 43.116, 321.115

Rectangle

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



71, 42.540, 137.487



71, 42.540, 187.487



71, 42.540, 317.487



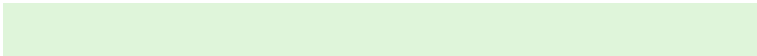
71, 42.540, 7.487

Sweetspot

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



71, 42.541, 137.488



94, 16.013, 138.997



71, 30.341, 97.230



50, 10.762, 138.925



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, 42.541, 137.488



89, 62.328, 136.964



71, 35.760, 151.893



39, 6.671, 139.092



57, 82.443, 134.812



9, 20.768, 140.946

Inverse Universe

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



58, 43.116, 321.115



70, 63.273, 321.416



59, 36.229, 337.680



37, 6.704, 319.910



32, 82.094, 321.615



3, 19.759, 317.751

Previews

White Background



This preview shows how the CIELCh color 71, 42.540, 137.487 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, 42.540, 137.487 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, 42.540, 137.487

Background



This preview shows how black text looks on a background with the CIELCh color 71, 42.540, 137.487.



This preview shows how white text looks on a background with the CIELCh color 71, 42.540, 137.487.

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, 42.540, 137.487

Protanopia
71, 32.424, 95.619

Deuteranopia
71, 28.036, 71.833



Tritanopia
71, 13.710, 232.727

Trichromacy



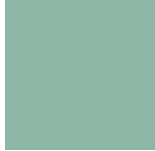
Original Color
71, 42.540, 137.487



Protanomaly
70, 33.454, 113.979



Deuteranomaly
70, 27.564, 103.929

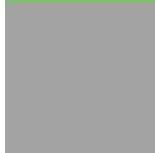


Tritanomaly
71, 17.749, 168.444

Monochromacy



Original Color
71, 42.540, 137.487



Achromatopsia
67, 0.008, 296.813



Achromatomaly
68, 15.790, 138.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 42.540, 137.487 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(132, 188, 120)` looks like.

```
.text, #text, p{  
    color:rgb(132, 188, 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(132, 188, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 188, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 42.540, 137.487 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(132, 188, 120) }
```

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

```
.border{ border-color:rgb(132, 188, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 188, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 188, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 188, 120);  
box-shadow:4px 4px 4px 4px rgb(132, 188,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 42.540, 137.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 188, 120) }
```

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

```
.background{ background-color: rgb(132,  
188, 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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