

Converting Colors

CIELCh(71, 47.867, 136.530)

Have a look what the booklet for
CIELCh(71, 47.867, 136.530)
contains.

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Color

CIELCh(71, 47.711, 136.686)

Conversions

Conversions Part 1

Format	Color
Hex	7FBD70
RGB	127, 189, 112
RGB Percent	50%, 74%, 44%
CMY	0.5012, 0.2580, 0.5600
CMYK	0.33, 0.00, 0.41, 0.26
HSL	108°, 37%, 59%
HSV	108°, 41%, 74%
XYZ	29.9611, 42.1875, 21.9501
YIQ	161.6840, -12.2350, -37.0910

Conversions

Conversions Part 2

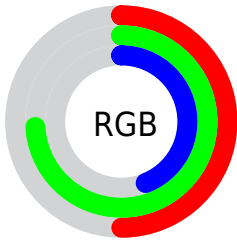
Format	Color
RYB	112, 189, 174
Decimal	8371568
CIELab	71.00, -34.71, 32.73
CIELCh	71, 47.711, 136.686
Yxy	42.1875, 0.3184, 0.4483
Android (android.graphics.Color)	4286561648 (0xFF7FBD70)
YUV	161.6840, -24.4942, -30.4179
Hunter-Lab	64.9519, -31.3271, 25.4297

Details

The CIELCh color **71, 47.711, 136.686** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **56, 48.512, 320.732**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 47.734, 136.749**, and **51, 47.455, 136.943** is the 20% darker color. If you saturate the color by 10%, you get **70, 58.799, 136.003**, and if you desaturate by 10%, it is **72, 36.165, 137.342**.

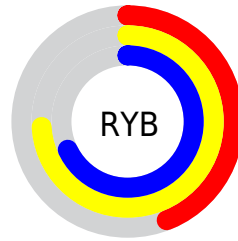
Distribution



Red (50%)

Green (74%)

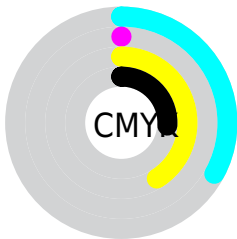
Blue (44%)



Red (44%)

Yellow (74%)

Blue (68%)

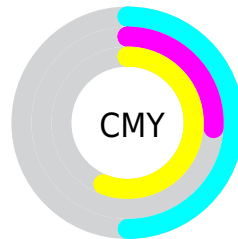


Cyan (33%)

Magenta (0%)

Yellow (41%)

Black (26%)



Cyan (50%)

Magenta (26%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 47.711, 136.686 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, 47.711, 136.686 by changing the saturation by 10% instead.

 71, 47.711,
136.686

 71, 47.711,
136.686


 100, 47.711,
136.686


 61, 47.711,
136.686


 91, 47.711,
136.686


 51, 47.711,
136.686

 41, 47.711,
136.686

 31, 47.711,
136.686

 21, 47.711,
136.686

 11, 47.711,
136.686

 1, 47.711, 136.686

0, 47.711, 136.686

71, 47.711,
136.686

71, 47.711,
136.686

70, 58.799,
136.003

72, 36.165,
137.342

69, 69.109,
135.340

73, 24.391,
137.943

68, 78.231,
134.784

75, 12.565,
138.484

68, 85.671,
134.454

77, 0.813, 139.182

67, 90.966,
134.471

78, 10.776,
319.320

67, 94.061,
134.728

80, 22.141,
319.677

■ 82, 33.242,
319.978

■ 84, 40.253,
323.265

■ 84, 41.246,
325.855

Harmonies

Complementary

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



71, 47.711, 136.686



56, 48.512, 320.732

Rectangle

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



71, 47.711, 136.686



71, 47.711, 186.686



71, 47.711, 316.686



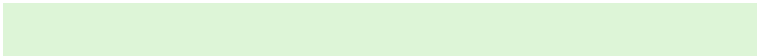
71, 47.711, 6.686

Sweetspot

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



71, 47.712, 136.687



94, 17.378, 138.407



71, 33.780, 95.628



50, 11.529, 138.339



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, 47.712, 136.687



88, 70.136, 136.066



71, 40.829, 150.741



39, 6.633, 138.553



57, 82.215, 134.601



9, 20.676, 140.567

Inverse Universe

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



56, 48.512, 320.732



67, 71.443, 321.064



57, 41.285, 337.322



37, 6.669, 319.357



32, 82.301, 320.966



3, 19.616, 316.957

Previews

White Background



This preview shows how the CIELCh color 71, 47.711, 136.686 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, 47.711, 136.686 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, 47.711, 136.686

Background



This preview shows how black text looks on a background with the CIELCh color 71, 47.711, 136.686.



This preview shows how white text looks on a background with the CIELCh color 71, 47.711, 136.686.

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, 47.711, 136.686

Protanopia

71, 36.610, 95.702

Deuteranopia

71, 31.771, 73.971



Tritanopia
71, 15.036, 229.260

Trichromacy



Original Color
71, 47.711, 136.686



Protanomaly
71, 38.126, 113.979



Deuteranomaly
70, 31.245, 103.925

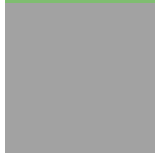


Tritanomaly
71, 20.135, 166.738

Monochromacy



Original Color
71, 47.711, 136.686



Achromatopsia
67, 0.008, 296.813



Achromatomaly
68, 17.814, 138.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 47.711, 136.686 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(127, 189, 112)` looks like.

```
.text, #text, p{  
    color:rgb(127, 189, 112)  
}
```

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(127, 189, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 189, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 47.711, 136.686 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(127, 189, 112) }
```

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

```
.border{ border-color:rgb(127, 189, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 189, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 189, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 189, 112);  
box-shadow:4px 4px 4px 4px rgb(127, 189,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 47.711, 136.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 189, 112) }
```

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

```
.background{ background-color: rgb(127,  
189, 112) }
```

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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