

Converting Colors

CIELCh(71, 47.099, 142.859)

Have a look what the booklet for
CIELCh(71, 47.099, 142.859)
contains.

CIELCh(71, 47.374, 142.620)	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, 47.374, 142.620)

Conversions

Conversions Part 1

Format	Color
Hex	75BF78
RGB	117, 191, 120
RGB Percent	46%, 75%, 47%
CMY	0.5427, 0.2525, 0.5309
CMYK	0.39, 0.00, 0.37, 0.25
HSL	122°, 36%, 60%
HSV	122°, 39%, 75%
XYZ	29.1938, 42.1875, 24.2550
YIQ	160.7800, -21.3130, -37.7690

Conversions

Conversions Part 2

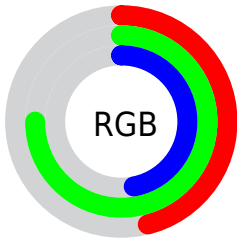
Format	Color
RYB	117, 188, 191
Decimal	7716728
CIELab	71.00, -37.64, 28.76
CIElCh	71, 47.374, 142.620
Yxy	42.1875, 0.3053, 0.4411
Android (android.graphics.Color)	4285906808 (0xFF75BF78)
YUV	160.7800, -20.1045, -38.3951
Hunter-Lab	64.9519, -33.4357, 23.3257

Details

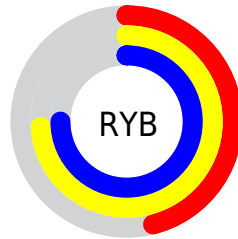
The CIELCh color **71, 47.374, 142.620** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 47.297, 327.676**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 47.410, 142.607**, and **51, 47.673, 142.586** is the 20% darker color. If you saturate the color by 10%, you get **70, 58.856, 141.564**, and if you desaturate by 10%, it is **72, 35.360, 143.551**.

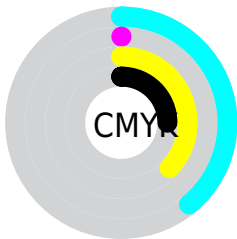
Distribution



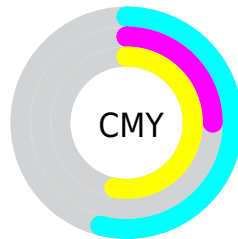
- Red (46%)
- Green (75%)
- Blue (47%)



- Red (46%)
- Yellow (74%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (37%)
- Black (25%)





- Cyan (54%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 47.374, 142.620 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, 47.374, 142.620 by changing the saturation by 10% instead.


 71, 47.374,
142.620


 71, 47.374,
142.620


 100, 47.374,
142.620


 61, 47.374,
142.620


 91, 47.374,
142.620

 51, 47.374,
142.620

 41, 47.374,
142.620

 31, 47.374,
142.620

 21, 47.374,
142.620

 11, 47.374,
142.620

 1, 47.374, 142.620

■ 0, 47.374, 142.620

■ 71, 47.374,
142.620

■ 71, 47.374,
142.620

■ 70, 58.856,
141.564

■ 72, 35.360,
143.551

■ 69, 69.467,
140.403

■ 74, 23.085,
144.357

■ 68, 78.814,
139.189

■ 76, 10.766,
145.055

■ 68, 86.464,
138.019

■ 77, 1.437, 325.434

■ 68, 92.000,
137.025

■ 79, 13.411,
326.090

■ 67, 95.223,
136.374

■ 82, 25.078,
326.520

■ 67, 95.488,
136.334

■ 84, 36.396,
326.882

■ 85, 40.382,
325.825

Harmonies

Complementary

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



71, 47.374, 142.620



59, 47.297, 327.676

Rectangle

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



71, 47.374, 142.620



71, 47.374, 192.620



71, 47.374, 322.620



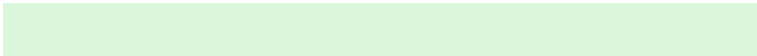
71, 47.374, 12.620

Sweetspot

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



71, 47.375, 142.620



95, 18.139, 144.829



75, 38.940, 107.984



51, 12.138, 144.739



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 47.375, 142.620



89, 70.136, 141.683



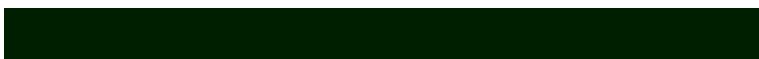
72, 32.529, 161.647



39, 6.863, 145.020



57, 82.986, 136.415



9, 21.257, 145.151

Inverse Universe

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



59, 47.297, 327.676



71, 69.793, 328.131



58, 34.364, 349.448



37, 6.875, 326.045



37, 78.334, 329.903



3, 20.649, 326.895

Previews

White Background



This preview shows how the CIELCh color 71, 47.374, 142.620 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, 47.374, 142.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

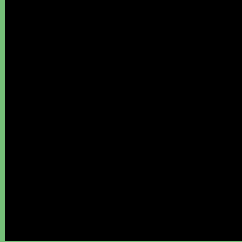
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 47.374, 142.620

Background



This preview shows how black text looks on a background with the CIELCh color 71, 47.374, 142.620.



This preview shows how white text looks on a background with the CIELCh color 71, 47.374, 142.620.

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](#).

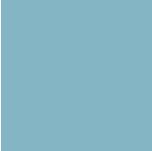
Dichromacy



Original Color
71, 47.374, 142.620

Protanopia
71, 33.454, 95.833

Deuteranopia
71, 28.036, 71.833



Tritanopia
71, 17.892, 225.740

Trichromacy



Original Color
71, 47.374, 142.620



Protanomaly
70, 34.954, 118.341



Deuteranomaly
70, 28.034, 109.034



Tritanomaly
71, 22.428, 174.581

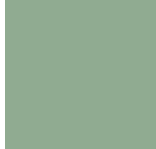
Monochromacy



Original Color
71, 47.374, 142.620



Achromatopsia
66, 0.008, 296.813



Achromatomaly
67, 17.756, 144.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 47.374, 142.620 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(117, 191, 120)` looks like.

```
.text, #text, p{  
    color:rgb(117, 191, 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(117, 191, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 191, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 47.374, 142.620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

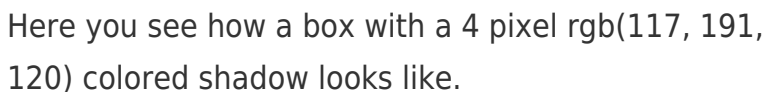
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 191, 120) }
```

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

```
.border{ border-color:rgb(117, 191, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 191, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 191, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 191, 120);  
box-shadow:4px 4px 4px 4px rgb(117, 191,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 47.374, 142.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 191, 120) }
```

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

```
.background{ background-color: rgb(117,  
191, 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](#).

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