

Converting Colors

CIELCh(71, 47.055, 146.411)

Have a look what the booklet for
CIELCh(71, 47.055, 146.411)
contains.

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Color

CIELCh(71, 46.678, 146.506)

Conversions

Conversions Part 1

Format	Color
Hex	6EBF7D
RGB	110, 191, 125
RGB Percent	43%, 75%, 49%
CMY	0.5677, 0.2500, 0.5089
CMYK	0.42, 0.00, 0.35, 0.25
HSL	131°, 39%, 59%
HSV	131°, 42%, 75%
XYZ	28.8622, 42.1875, 26.1013
YIQ	159.2570, -27.0900, -37.6980

Conversions

Conversions Part 2

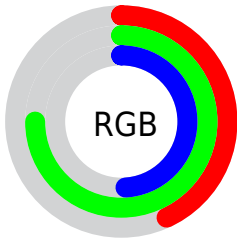
Format	Color
RYB	110, 178, 191
Decimal	7257981
CIELab	71.00, -38.93, 25.76
CIELCh	71, 46.678, 146.506
Yxy	42.1875, 0.2971, 0.4342
Android (android.graphics.Color)	4285448061 (0xFF6EBF7D)
YUV	159.2570, -16.8887, -43.1984
Hunter-Lab	64.9519, -34.3470, 21.6403

Details

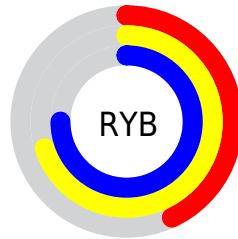
The CIELCh color **71, 46.678, 146.506** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **58, 46.733, 332.722**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 46.784, 146.471**, and **51, 46.958, 146.458** is the 20% darker color. If you saturate the color by 10%, you get **70, 56.952, 145.313**, and if you desaturate by 10%, it is **72, 35.903, 147.545**.

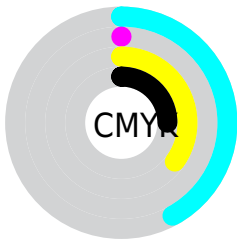
Distribution



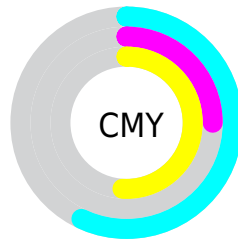
- Red (43%)
- Green (75%)
- Blue (49%)



- Red (43%)
- Yellow (70%)
- Blue (75%)



- Cyan (42%)
- Magenta (0%)
- Yellow (35%)
- Black (25%)





- Cyan (57%)
- Magenta (25%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 46.678, 146.506 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, 46.678, 146.506 by changing the saturation by 10% instead.


 71, 46.678,
146.506


 71, 46.678,
146.506


 100, 46.678,
146.506


 61, 46.678,
146.506


 91, 46.678,
146.506

 51, 46.678,
146.506

 41, 46.678,
146.506

 31, 46.678,
146.506

 21, 46.678,
146.506

 11, 46.678,
146.506

 1, 46.678, 146.506

■ 0, 46.678, 146.506

■ 71, 46.678,
146.506

■ 71, 46.678,
146.506

■ 70, 56.952,
145.313

■ 72, 35.903,
147.545

■ 69, 66.475,
143.963

■ 74, 24.844,
148.445

■ 69, 74.993,
142.473

■ 75, 13.690,
149.225

■ 68, 82.260,
140.890

■ 77, 2.588, 149.982

■ 68, 88.060,
139.300

■ 79, 8.349, 330.407

■ 68, 91.485,
138.219

■ 81, 19.044,
330.925

■ 83, 29.447,

331.366

■ 85, 37.878,
328.104

■ 85, 39.974,
325.812

Harmonies

Complementary

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



71, 46.678, 146.506



58, 46.733, 332.722

Rectangle

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



71, 46.678, 146.506



71, 46.678, 196.506



71, 46.678, 326.506



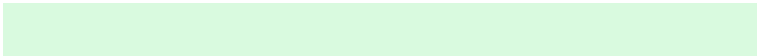
71, 46.678, 16.506

Sweetspot

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



71, 46.679, 146.506



95, 17.903, 149.162



75, 42.901, 114.415



50, 12.538, 148.995



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, 46.679, 146.506



89, 68.993, 145.380



72, 31.305, 170.415



40, 6.337, 149.440



58, 79.998, 138.430



10, 22.175, 147.616

Inverse Universe

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



58, 46.733, 332.722



69, 68.694, 333.376



56, 35.234, 359.973



38, 6.356, 330.554



36, 70.943, 337.144



4, 20.321, 333.788

Previews

White Background



This preview shows how the CIELCh color 71, 46.678, 146.506 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 CIE LCh color 71, 46.678, 146.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

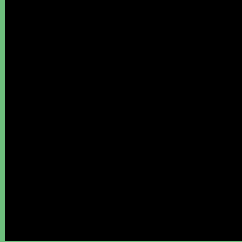
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 46.678, 146.506

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.678, 146.506.

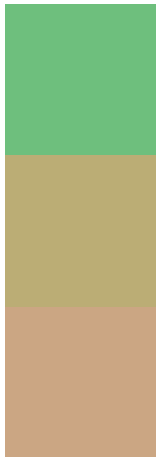


This preview shows how white text looks on a background with the CIELCh color 71, 46.678, 146.506.

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](#).

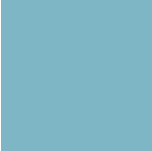
Dichromacy



Original Color
71, 46.678, 146.506

Protanopia
71, 30.784, 96.030

Deuteranopia
71, 24.799, 69.576



Tritanopia
71, 19.706, 222.892

Trichromacy



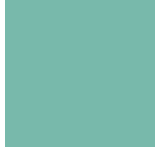
Original Color
71, 46.678, 146.506



Protanomaly
70, 33.301, 121.888



Deuteranomaly
70, 24.978, 113.290



Tritanomaly
71, 23.909, 178.744

Monochromacy



Original Color
71, 46.678, 146.506



Achromatopsia
66, 0.008, 296.813



Achromatomaly
67, 17.341, 148.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 46.678, 146.506 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(110, 191, 125)` looks like.

```
.text, #text, p{  
    color:rgb(110, 191, 125)  
}
```

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(110, 191, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 191, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 46.678, 146.506 is called "border". The border property can be set on classes, ids or directly on the HTML element.

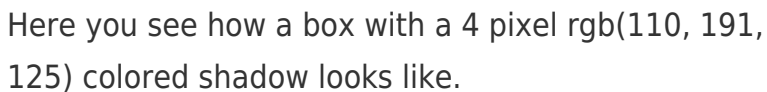
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 191, 125) }
```

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

```
.border{ border-color:rgb(110, 191, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 191, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 191, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 191, 125); box-shadow:4px 4px 4px 4px rgb(110, 191, 125) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 46.678, 146.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 191, 125) }
```

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

```
.background{ background-color: rgb(110,  
191, 125) }
```

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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