

Converting Colors

CIELCh(70, 42.200, 145.862)

Have a look what the booklet for
CIELCh(70, 42.200, 145.862)
contains.

CIELCh(70, 42.151, 146.025)	3
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Color

CIELCh(70, 42.151, 146.025)

Conversions

Conversions Part 1

Format	Color
Hex	74BB7F
RGB	116, 187, 127
RGB Percent	45%, 73%, 50%
CMY	0.5454, 0.2669, 0.5022
CMYK	0.38, 0.00, 0.32, 0.27
HSL	129°, 34%, 59%
HSV	129°, 38%, 73%
XYZ	28.7751, 40.7494, 26.4049
YIQ	158.9310, -23.0560, -33.7120

Conversions

Conversions Part 2

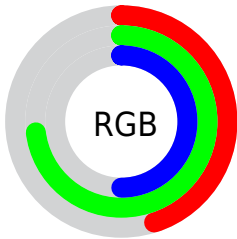
Format	Color
RYB	116, 177, 187
Decimal	7650175
CIELab	70.00, -34.96, 23.56
CIElCh	70, 42.151, 146.025
Yxy	40.7494, 0.3000, 0.4248
Android (android.graphics.Color)	4285840255 (0xFF74BB7F)
YUV	158.9310, -15.7420, -37.6505
Hunter-Lab	63.8353, -31.2491, 20.1599

Details

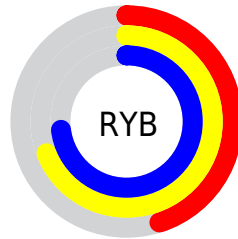
The CIELCh color **70, 42.151, 146.025** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **58, 42.201, 331.332**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 42.333, 145.784**, and **50, 42.181, 145.953** is the 20% darker color. If you saturate the color by 10%, you get **69, 52.707, 144.919**, and if you desaturate by 10%, it is **71, 31.188, 146.986**.

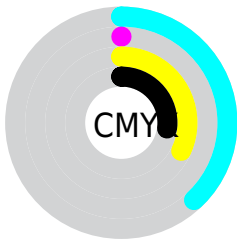
Distribution



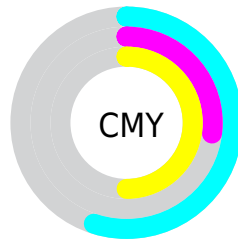
- Red (45%)
- Green (73%)
- Blue (50%)



- Red (45%)
- Yellow (69%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (32%)
- Black (27%)





- Cyan (55%)
- Magenta (27%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 42.151, 146.025 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 70, 42.151, 146.025 by changing the saturation by 10% instead.


 70, 42.151,
146.025


 70, 42.151,
146.025


 100, 42.151,
146.025


 60, 42.151,
146.025


 90, 42.151,
146.025


 50, 42.151,
146.025

 40, 42.151,
146.025

 30, 42.151,
146.025

 20, 42.151,
146.025

 10, 42.151,
146.025

 0, 42.151, 146.025

70, 42.151,
146.025

70, 42.151,
146.025

69, 52.707,
144.919

71, 31.188,
146.986

68, 62.605,
143.663

73, 20.028,
147.816

67, 71.578,
142.271

74, 8.845, 148.543

76, 2.229, 328.994

67, 79.348,
140.784

78, 13.097,
329.624

66, 85.654,
139.283

80, 23.693,
330.089

66, 90.312,
137.912

83, 33.978,
330.489

66, 91.080,
137.693

84, 41.961,
326.593

■ 84, 42.667,
325.903

Harmonies

Complementary

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



70, 42.151, 146.025



58, 42.201, 331.332

Rectangle

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



70, 42.151, 146.025



70, 42.151, 196.025



70, 42.151, 326.025



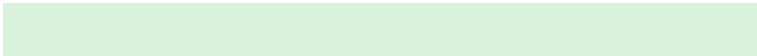
70, 42.151, 16.025

Sweetspot

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



70, 42.152, 146.025



93, 15.079, 148.319



74, 37.805, 113.256



50, 10.222, 148.222



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 42.152, 146.025



87, 62.476, 145.064



71, 28.559, 168.728



39, 6.335, 148.447



57, 80.110, 137.878



9, 20.102, 147.442

Inverse Universe

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



58, 42.201, 331.332



70, 62.329, 331.892



57, 31.320, 356.916



37, 6.351, 329.533



36, 71.729, 335.437



3, 18.430, 331.845

Previews

White Background



This preview shows how the CIELCh color 70, 42.151, 146.025 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 70, 42.151, 146.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

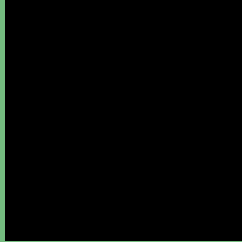
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 42.151, 146.025

Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.151, 146.025.

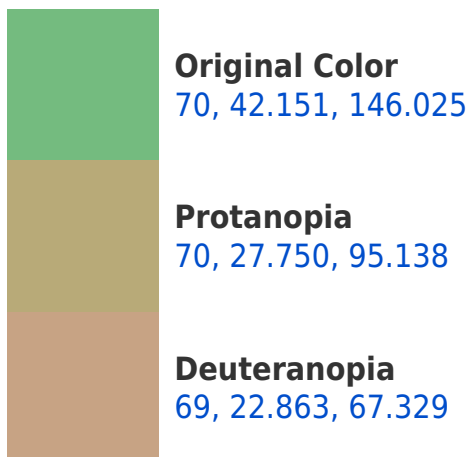


This preview shows how white text looks on a background with the CIELCh color 70, 42.151, 146.025.

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





Tritanopia
70, 17.991, 223.641

Trichromacy



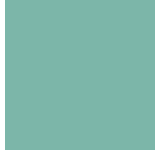
Original Color
70, 42.151, 146.025



Protanomaly
69, 29.430, 120.907



Deuteranomaly
69, 22.817, 110.925



Tritanomaly
70, 21.697, 178.413

Monochromacy



Original Color
70, 42.151, 146.025



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 15.782, 147.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 42.151, 146.025 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(116, 187, 127)` looks like.

```
.text, #text, p{  
    color:rgb(116, 187, 127)  
}
```

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(116, 187, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 187, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 42.151, 146.025 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(116, 187, 127) }
```

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

```
.border{ border-color:rgb(116, 187, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 187, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 187, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 187, 127);  
box-shadow:4px 4px 4px 4px rgb(116, 187,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 42.151, 146.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 187, 127) }
```

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

```
.background{ background-color: rgb(116,  
187, 127) }
```

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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