

Converting Colors

CIELCh(70, 45.594, 145.974)

Have a look what the booklet for
CIELCh(70, 45.594, 145.974)
contains.

CIELCh(70, 45.737, 146.019)	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(70, 45.737, 146.019)

Conversions

Conversions Part 1

Format	Color
Hex	6EBC7B
RGB	110, 188, 123
RGB Percent	43%, 74%, 48%
CMY	0.5683, 0.2624, 0.5174
CMYK	0.41, 0.00, 0.35, 0.26
HSL	130°, 37%, 58%
HSV	130°, 41%, 74%
XYZ	28.0179, 40.7494, 25.1500
YIQ	157.2680, -25.6230, -36.7510

Conversions

Conversions Part 2

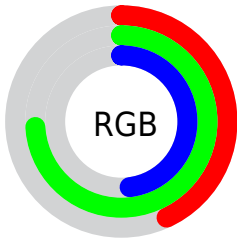
Format	Color
RYB	110, 177, 188
Decimal	7257211
CIELab	70.00, -37.93, 25.56
CIELCh	70, 45.737, 146.019
Yxy	40.7494, 0.2983, 0.4339
Android (android.graphics.Color)	4285447291 (0xFF6EBC7B)
YUV	157.2680, -16.8941, -41.4540
Hunter-Lab	63.8353, -33.3664, 21.3255

Details

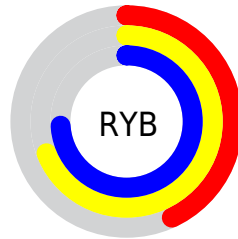
The CIELCh color **70, 45.737, 146.019** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **57, 45.764, 331.977**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 45.841, 145.958**, and **50, 45.884, 145.825** is the 20% darker color. If you saturate the color by 10%, you get **69, 56.061, 144.853**, and if you desaturate by 10%, it is **71, 34.929, 147.035**.

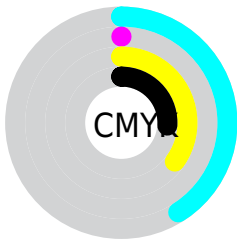
Distribution



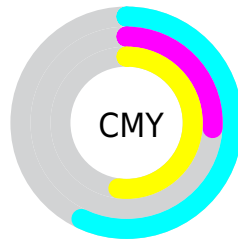
- Red (43%)
- Green (74%)
- Blue (48%)



- Red (43%)
- Yellow (69%)
- Blue (74%)



- Cyan (41%)
- Magenta (0%)
- Yellow (35%)
- Black (26%)





- Cyan (57%)
- Magenta (26%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 45.737, 146.019 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, 45.737, 146.019 by changing the saturation by 10% instead.


 70, 45.737,
146.019


 70, 45.737,
146.019


 100, 45.737,
146.019


 60, 45.737,
146.019


 90, 45.737,
146.019

 50, 45.737,
146.019

 40, 45.737,
146.019

 30, 45.737,
146.019

 20, 45.737,
146.019

 10, 45.737,
146.019

 0, 45.737, 146.019

70, 45.737,
146.019

70, 45.737,
146.019

69, 56.061,
144.853

71, 34.929,
147.035

68, 65.646,
143.535

73, 23.855,
147.914

67, 74.227,
142.085

74, 12.701,
148.677

67, 81.542,
140.552

76, 1.614, 149.479

67, 87.352,
139.027

78, 9.299, 329.829

67, 91.064,
137.890

80, 19.962,
330.329

82, 30.328,
330.755

84, 39.269,
328.737

■ 84, 41.955,
325.879

Harmonies

Complementary

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



70, 45.737, 146.019



57, 45.764, 331.977

Rectangle

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



70, 45.737, 146.019



70, 45.737, 196.019



70, 45.737, 326.019



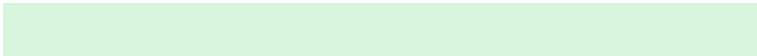
70, 45.737, 16.019

Sweetspot

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



70, 45.738, 146.019



94, 16.461, 148.625



74, 41.330, 113.010



50, 10.922, 148.530



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, 45.738, 146.019



88, 67.527, 144.934



71, 31.120, 168.296



39, 6.282, 148.827



57, 79.705, 138.090



9, 19.986, 147.690

Inverse Universe

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



57, 45.764, 331.977



69, 67.225, 332.592



56, 34.417, 357.468



37, 6.299, 329.922



36, 71.100, 336.080



3, 18.217, 332.437

Previews

White Background



This preview shows how the CIELCh color 70, 45.737, 146.019 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, 45.737, 146.019 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, 45.737, 146.019

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.737, 146.019.

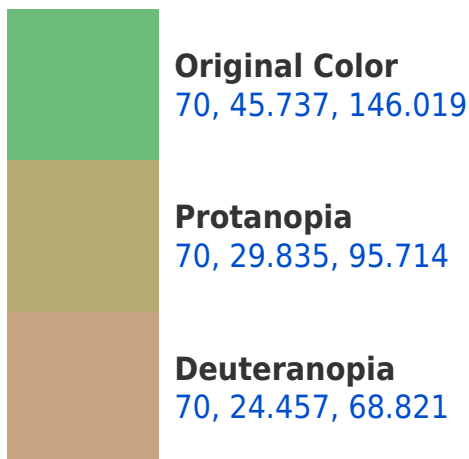


This preview shows how white text looks on a background with the CIELCh color 70, 45.737, 146.019.

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, 19.206, 223.688

Trichromacy



Original Color
70, 45.737, 146.019



Protanomaly
69, 32.270, 121.716



Deuteranomaly
69, 24.480, 112.479



Tritanomaly
70, 23.096, 178.050

Monochromacy



Original Color
70, 45.737, 146.019



Achromatopsia
65, 0.008, 296.813



Achromatomaly
66, 16.722, 148.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.737, 146.019 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, 188, 123)` looks like.

```
.text, #text, p{  
    color:rgb(110, 188, 123)  
}
```

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, 188, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 188, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.737, 146.019 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, 188, 123) }
```

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

```
.border{ border-color:rgb(110, 188, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 188, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 188, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 188, 123);  
box-shadow:4px 4px 4px 4px rgb(110, 188,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.737, 146.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 188, 123) }
```

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

```
.background{ background-color: rgb(110,  
188, 123) }
```

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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