

Converting Colors

CIELCh(70, 70.537, 147.672)

Have a look what the booklet for
CIELCh(70, 70.537, 147.672)
contains.

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Color

CIELCh(70, 70.529, 147.682)

Conversions

Conversions Part 1

Format	Color
Hex	2BC463
RGB	43, 196, 99
RGB Percent	17%, 77%, 39%
CMY	0.8332, 0.2325, 0.6128
CMYK	0.78, 0.00, 0.50, 0.23
HSL	142°, 64%, 47%
HSV	142°, 78%, 77%
XYZ	22.8913, 40.7494, 18.3984
YIQ	139.1950, -60.0510, -62.6030

Conversions

Conversions Part 2

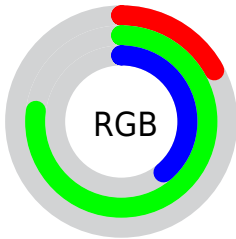
Format	Color
RYB	43, 155, 196
Decimal	2868323
CIELab	70.00, -59.60, 37.71
CIElCh	70, 70.529, 147.682
Yxy	40.7494, 0.2790, 0.4967
Android (android.graphics.Color)	4281058403 (0xFF2BC463)
YUV	139.1950, -19.8161, -84.3630
Hunter-Lab	63.8353, -47.7018, 27.5963

Details

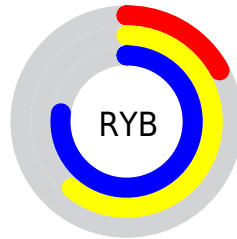
The CIELCh color **70, 70.529, 147.682** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **46, 68.589, 345.388**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 70.846, 147.607**, and **51, 65.126, 143.192** is the 20% darker color. If you saturate the color by 10%, you get **70, 76.680, 145.709**, and if you desaturate by 10%, it is **71, 63.426, 149.476**.

Distribution



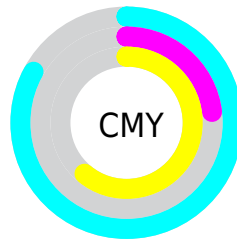
- Red (17%)
- Green (77%)
- Blue (39%)



- Red (17%)
- Yellow (61%)
- Blue (77%)



- Cyan (78%)
- Magenta (0%)
- Yellow (50%)
- Black (23%)





- Cyan (83%)
- Magenta (23%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 70.529, 147.682 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, 70.529, 147.682 by changing the saturation by 10% instead.


 70, 70.529,
147.682


 70, 70.529,
147.682


 100, 70.529,
147.682


 60, 70.529,
147.682


 90, 70.529,
147.682

 50, 70.529,
147.682

 40, 70.529,
147.682

 30, 70.529,
147.682

 20, 70.529,
147.682

 10, 70.529,
147.682

 0, 70.529, 147.682

■ 70, 70.529,
147.682

■ 70, 70.529,
147.682

■ 70, 76.680,
145.709

■ 71, 63.426,
149.476

■ 69, 81.897,
143.637

■ 71, 55.457,
151.072

■ 69, 82.743,
143.300

■ 72, 46.762,
152.475

■ 73, 37.514,
153.701

■ 75, 27.888,
154.773

■ 76, 18.052,
155.715

■ 78, 8.149, 156.561

■ 79, 1.703, 337.038

■ 81, 11.417,
337.864

Harmonies

Complementary

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



70, 70.529, 147.682



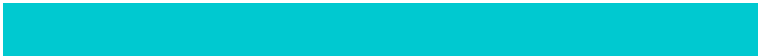
46, 68.589, 345.388

Rectangle

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



70, 70.529, 147.682



70, 70.529, 197.682



70, 70.529, 327.682



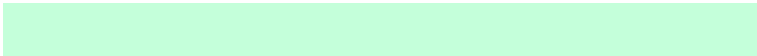
70, 70.529, 17.682

Sweetspot

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



70, 70.529, 147.682



95, 28.163, 155.250



73, 76.363, 121.353



50, 19.476, 154.896



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 70.529, 147.682



88, 98.255, 144.204



72, 42.944, 181.033



40, 5.544, 156.471



58, 70.940, 143.637



10, 20.178, 151.869

Inverse Universe

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



46, 68.589, 345.388



56, 88.409, 349.088



44, 65.604, 24.168



38, 5.583, 337.768



35, 62.978, 349.798



3, 17.286, 344.253

Previews

White Background



This preview shows how the CIELCh color 70, 70.529, 147.682 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, 70.529, 147.682 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, 70.529, 147.682

Background



This preview shows how black text looks on a background with the CIELCh color 70, 70.529, 147.682.

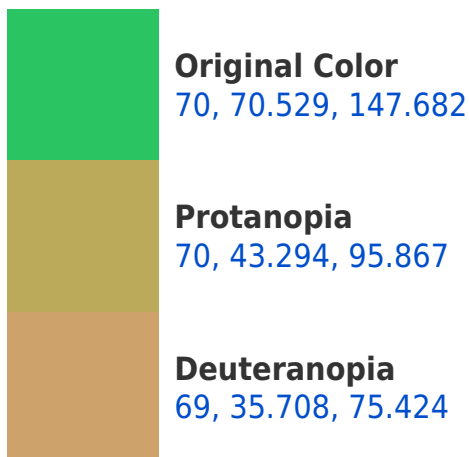


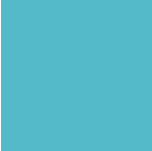
This preview shows how white text looks on a background with the CIELCh color 70, 70.529, 147.682.

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, 29.884, 213.426

Trichromacy



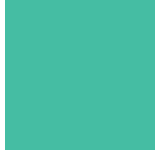
Original Color
70, 70.529, 147.682



Protanomaly
68, 49.188, 127.681



Deuteranomaly
68, 39.318, 123.495



Tritanomaly
70, 39.729, 175.208

Monochromacy



Original Color
70, 70.529, 147.682



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 29.428, 153.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 70.529, 147.682 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(43, 196, 99)` looks like.

```
.text, #text, p{  
    color:rgb(43, 196, 99)  
}
```

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(43, 196, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 196, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 70.529, 147.682 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(43, 196, 99) }
```

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

```
.border{ border-color:rgb(43, 196, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 196, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 196, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 196, 99);  
box-shadow:4px 4px 4px 4px rgb(43, 196,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 70.529, 147.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 196, 99) }
```

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

```
.background{ background-color: rgb(43, 196,  
99) }
```

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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