

Converting Colors

CIELCh(70, 67.186, 152.796)

Have a look what the booklet for
CIELCh(70, 67.186, 152.796)
contains.

CIELCh(70, 67.353, 152.673)	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, 67.353, 152.673)

Conversions

Conversions Part 1

Format	Color
Hex	0DC470
RGB	13, 196, 112
RGB Percent	5%, 77%, 44%
CMY	0.9486, 0.2312, 0.5607
CMYK	0.93, 0.00, 0.43, 0.23
HSL	152°, 87%, 41%
HSV	152°, 93%, 77%
XYZ	22.8399, 40.7494, 21.9983
YIQ	131.7070, -82.1040, -64.9200

Conversions

Conversions Part 2

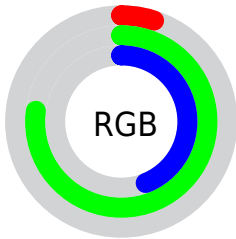
Format	Color
RYB	13, 132, 196
Decimal	902256
CIELab	70.00, -59.84, 30.92
CIELCh	70, 67.353, 152.673
Yxy	40.7494, 0.2669, 0.4761
Android (android.graphics.Color)	4279092336 (0xFF0DC470)
YUV	131.7070, -9.7156, -104.1060
Hunter-Lab	63.8353, -47.8454, 24.2528

Details

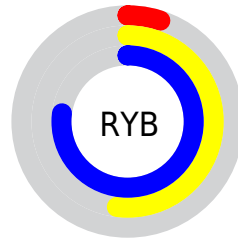
The CIELCh color **70, 67.353, 152.673** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **43, 68.202, 3.216**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 67.240, 152.722**, and **51, 59.715, 147.162** is the 20% darker color. If you saturate the color by 10%, you get **70, 70.110, 151.185**, and if you desaturate by 10%, it is **70, 62.757, 154.840**.

Distribution



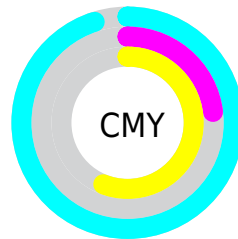
- Red (5%)
- Green (77%)
- Blue (44%)



- Red (5%)
- Yellow (52%)
- Blue (77%)



- Cyan (93%)
- Magenta (0%)
- Yellow (43%)
- Black (23%)





- Cyan (95%)
- Magenta (23%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 67.353, 152.673 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, 67.353, 152.673 by changing the saturation by 10% instead.


 70, 67.353,
152.673


 70, 67.353,
152.673


 100, 67.353,
152.673


 60, 67.353,
152.673


 90, 67.353,
152.673

 50, 67.353,
152.673

 40, 67.353,
152.673

 30, 67.353,
152.673

 20, 67.353,
152.673

 10, 67.353,
152.673

 0, 67.353, 152.673

■ 70, 67.353,
152.673

■ 70, 67.353,
152.673

■ 70, 70.110,
151.185

■ 70, 62.757,
154.840

■ 71, 57.361,
156.803

■ 71, 51.159,
158.555

■ 72, 44.215,
160.106

■ 73, 36.643,
161.479

■ 74, 28.582,
162.699

■ 76, 20.178,
163.790

■ 77, 11.568,

164.781

■ 79, 2.872, 165.774

Harmonies

Complementary

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



70, 67.353, 152.673



43, 68.202, 3.216

Rectangle

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



70, 67.353, 152.673



70, 67.353, 202.673



70, 67.353, 332.673



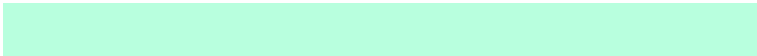
70, 67.353, 22.673

Sweetspot

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



70, 67.353, 152.673



95, 29.891, 163.245



71, 88.220, 128.492



50, 20.546, 162.755



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, 67.353, 152.673



89, 86.127, 150.791



70, 38.977, 201.500



40, 4.883, 165.155



58, 60.053, 151.554



10, 17.922, 158.294

Inverse Universe

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



43, 68.202, 3.216



55, 84.424, 6.951



42, 81.608, 38.708



38, 4.956, 346.663



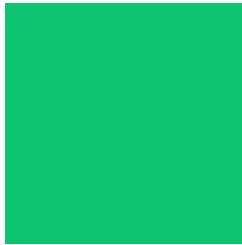
34, 59.777, 5.364



3, 15.499, 354.754

Previews

White Background



This preview shows how the CIELCh color 70, 67.353, 152.673 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, 67.353, 152.673 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, 67.353, 152.673

Background



This preview shows how black text looks on a background with the CIELCh color 70, 67.353, 152.673.

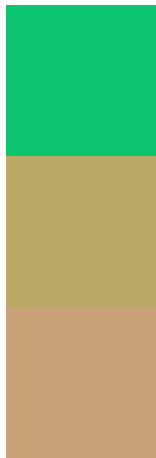


This preview shows how white text looks on a background with the CIELCh color 70, 67.353, 152.673.

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

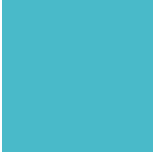
70, 67.353, 152.673

Protanopia

70, 37.217, 95.705

Deuteranopia

69, 28.910, 71.604



Tritanopia
70, 31.998, 212.185

Trichromacy



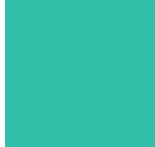
Original Color
70, 67.353, 152.673



Protanomaly
68, 45.163, 135.657



Deuteranomaly
67, 35.078, 134.755



Tritanomaly
70, 41.172, 179.890

Monochromacy



Original Color
70, 67.353, 152.673



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 29.707, 161.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 67.353, 152.673 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(13, 196, 112)` looks like.

```
.text, #text, p{  
    color:rgb(13, 196, 112)  
}
```

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(13, 196, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 196, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 67.353, 152.673 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(13, 196, 112) }
```

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

```
.border{ border-color:rgb(13, 196, 112) }
```

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

Here you see how a box with a 4 pixel rgb(13, 196, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 196, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 196, 112);  
box-shadow:4px 4px 4px 4px rgb(13, 196,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 67.353, 152.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 196, 112) }
```

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

```
.background{ background-color: rgb(13, 196,  
112) }
```

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