

Converting Colors

CIELCh(70, 62.299, 156.839)

Have a look what the booklet for
CIELCh(70, 62.299, 156.839)
contains.

CIELCh(70, 62.238, 156.828)	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, 62.238, 156.828)

Conversions

Conversions Part 1

Format	Color
Hex	0DC37C
RGB	13, 195, 124
RGB Percent	5%, 76%, 49%
CMY	0.9504, 0.2338, 0.5124
CMYK	0.94, 0.00, 0.36, 0.23
HSL	157°, 88%, 41%
HSV	157°, 94%, 77%
XYZ	23.4222, 40.7494, 25.8155
YIQ	132.4880, -85.6810, -60.6650

Conversions

Conversions Part 2

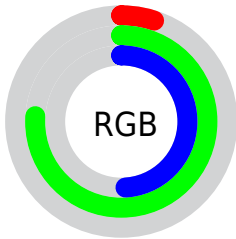
Format	Color
RYB	13, 126, 195
Decimal	902012
CIELab	70.00, -57.22, 24.49
CIELCh	70, 62.238, 156.828
Yxy	40.7494, 0.2603, 0.4528
Android (android.graphics.Color)	4279092092 (0xFF0DC37C)
YUV	132.4880, -4.1846, -104.7910
Hunter-Lab	63.8353, -46.2173, 20.7073

Details

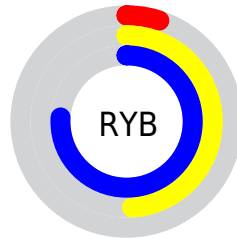
The CIELCh color **70, 62.238, 156.828** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **42, 68.026, 9.799**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 62.379, 156.769**, and **51, 54.694, 151.190** is the 20% darker color. If you saturate the color by 10%, you get **70, 64.546, 155.397**, and if you desaturate by 10%, it is **70, 58.242, 158.974**.

Distribution



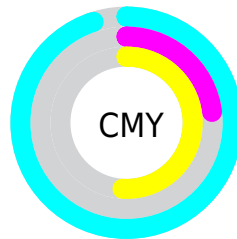
- Red (5%)
- Green (76%)
- Blue (49%)



- Red (5%)
- Yellow (49%)
- Blue (76%)



- Cyan (94%)
- Magenta (0%)
- Yellow (36%)
- Black (23%)





- Cyan (95%)
- Magenta (23%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 62.238, 156.828 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, 62.238, 156.828 by changing the saturation by 10% instead.


 70, 62.238,
156.828

 70, 62.238,
156.828


 100, 62.238,
156.828


 60, 62.238,
156.828


 90, 62.238,
156.828

 50, 62.238,
156.828

 40, 62.238,
156.828

 30, 62.238,
156.828

 20, 62.238,
156.828

 10, 62.238,
156.828

 0, 62.238, 156.828

■ 70, 62.238,
156.828

■ 70, 62.238,
156.828

■ 70, 64.546,
155.397

■ 70, 58.242,
158.974

■ 71, 53.468,
160.914

■ 71, 47.898,
162.647

■ 72, 41.580,
164.188

■ 73, 34.615,
165.561

■ 74, 27.132,
166.790

■ 75, 19.267,
167.902

■ 77, 11.154,

168.923

■ 78, 2.911, 169.954

Harmonies

Complementary

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



70, 62.238, 156.828



42, 68.026, 9.799

Rectangle

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



70, 62.238, 156.828



70, 62.238, 206.828



70, 62.238, 336.828



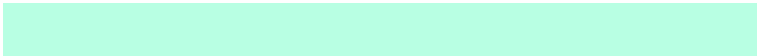
70, 62.238, 26.828

Sweetspot

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



70, 62.238, 156.828



95, 28.320, 167.368



70, 89.851, 130.443



50, 19.440, 166.871



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, 62.238, 156.828



89, 79.444, 155.000



66, 36.314, 213.176



40, 4.652, 169.332



58, 55.463, 155.757



10, 16.920, 162.017

Inverse Universe

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



42, 68.026, 9.799



54, 85.235, 13.929



42, 80.050, 40.060



38, 4.744, 350.909



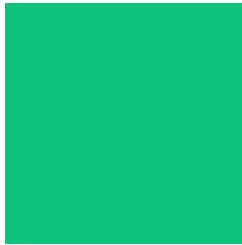
34, 60.087, 12.140



3, 15.033, 358.789

Previews

White Background



This preview shows how the CIELCh color 70, 62.238, 156.828 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, 62.238, 156.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

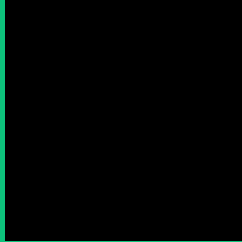
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 62.238, 156.828

Background



This preview shows how black text looks on a background with the CIELCh color 70, 62.238, 156.828.

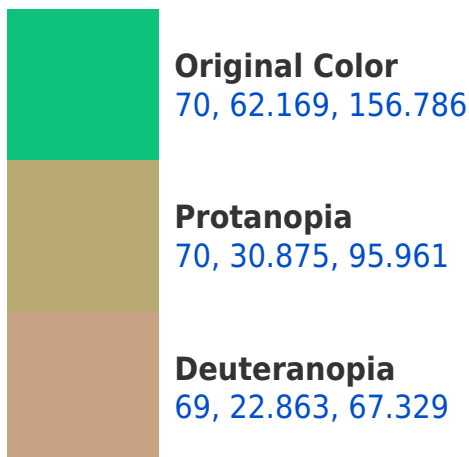


This preview shows how white text looks on a background with the CIELCh color 70, 62.238, 156.828.

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, 32.472, 211.929

Trichromacy



Original Color
70, 62.169, 156.786



Protanomaly
68, 39.921, 140.476



Deuteranomaly
67, 30.511, 141.635



Tritanomaly
70, 39.967, 183.530

Monochromacy



Original Color
70, 62.169, 156.786



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 28.490, 165.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 62.238, 156.828 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, 195, 124)` looks like.

```
.text, #text, p{  
    color:rgb(13, 195, 124)  
}
```

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, 195, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 195, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 62.238, 156.828 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, 195, 124) }
```

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

```
.border{ border-color:rgb(13, 195, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 195, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 195, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 195, 124);  
box-shadow:4px 4px 4px 4px rgb(13, 195,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 62.238, 156.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 195, 124) }
```

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

```
.background{ background-color: rgb(13, 195,  
124) }
```

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