

Converting Colors

CIELCh(70, 62.809, 154.995)

Have a look what the booklet for
CIELCh(70, 62.809, 154.995)
contains.

CIELCh(70, 62.902, 154.880)	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, 62.902, 154.880)

Conversions

Conversions Part 1

Format	Color
Hex	1DC378
RGB	29, 195, 120
RGB Percent	11%, 76%, 47%
CMY	0.8845, 0.2345, 0.5287
CMYK	0.85, 0.00, 0.38, 0.23
HSL	153°, 74%, 44%
HSV	153°, 85%, 77%
XYZ	23.4815, 40.7494, 24.4558
YIQ	136.8160, -74.8610, -58.5170

Conversions

Conversions Part 2

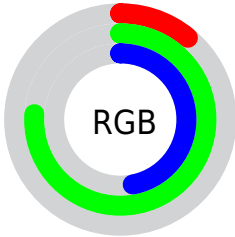
Format	Color
R _Y B	29, 136, 195
Decimal	1950584
CIE Lab	70.00, -56.95, 26.70
CIE LCh	70, 62.902, 154.880
Yxy	40.7494, 0.2648, 0.4595
Android (android.graphics.Color)	4280140664 (0xFF1DC378)
YUV	136.8160, -8.2903, -94.5546
Hunter-Lab	63.8353, -46.0515, 21.9702

Details

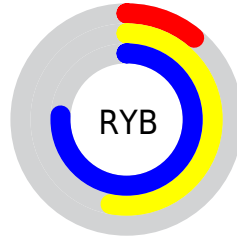
The CIELCh color **70, 62.902, 154.880** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **44, 65.871, 0.509**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 63.050, 154.900**, and **51, 55.936, 150.068** is the 20% darker color. If you saturate the color by 10%, you get **70, 67.313, 152.684**, and if you desaturate by 10%, it is **70, 57.707, 156.875**.

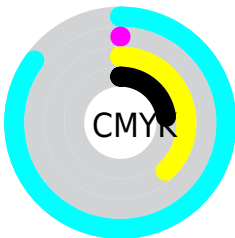
Distribution



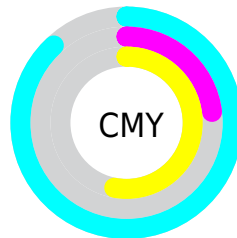
- Red (11%)
- Green (76%)
- Blue (47%)



- Red (11%)
- Yellow (53%)
- Blue (76%)



- Cyan (85%)
- Magenta (0%)
- Yellow (38%)
- Black (23%)





- Cyan (88%)
- Magenta (23%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 62.902, 154.880 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, 62.902, 154.880 by changing the saturation by 10% instead.


 70, 62.902,
154.880


 70, 62.902,
154.880


 100, 62.902,
154.880


 60, 62.902,
154.880


 90, 62.902,
154.880

 50, 62.902,
154.880

 40, 62.902,
154.880

 30, 62.902,
154.880

 20, 62.902,
154.880

 10, 62.902,
154.880

 0, 62.902, 154.880

■ 70, 62.902,
154.880

■ 70, 62.902,
154.880

■ 70, 67.313,
152.684

■ 70, 57.707,
156.875

■ 70, 69.374,
151.560

■ 71, 51.706,
158.658

■ 72, 44.952,
160.240

■ 73, 37.551,
161.639

■ 74, 29.638,
162.883

■ 75, 21.357,
163.995

■ 76, 12.847,
165.002

■ 78, 4.231, 165.969

Harmonies

Complementary

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



70, 62.902, 154.880



44, 65.871, 0.509

Rectangle

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



70, 62.902, 154.880



70, 62.902, 204.880



70, 62.902, 334.880



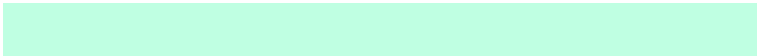
70, 62.902, 24.880

Sweetspot

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



70, 62.902, 154.880



95, 26.619, 163.943



71, 84.059, 127.827



50, 18.106, 163.557



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, 62.902, 154.880



89, 85.500, 151.159



70, 38.152, 201.179



40, 4.861, 165.531



58, 59.621, 151.921



10, 17.829, 158.611

Inverse Universe

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



44, 65.871, 0.509



55, 84.437, 7.609



43, 75.202, 36.393



38, 4.935, 347.047



34, 59.764, 6.000



3, 15.450, 355.142

Previews

White Background



This preview shows how the CIELCh color 70, 62.902, 154.880 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, 62.902, 154.880 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, 62.902, 154.880

Background



This preview shows how black text looks on a background with the CIELCh color 70, 62.902, 154.880.

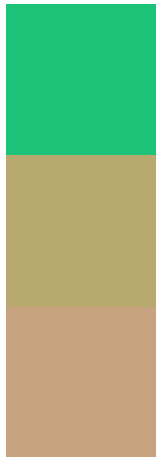


This preview shows how white text looks on a background with the CIELCh color 70, 62.902, 154.880.

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, 62.902, 154.880

Protanopia

70, 32.947, 96.387

Deuteranopia

69, 24.899, 69.515



Tritanopia
70, 31.671, 212.366

Trichromacy



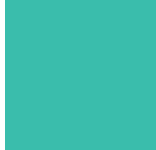
Original Color
70, 62.902, 154.880



Protanomaly
68, 40.541, 136.424



Deuteranomaly
68, 30.962, 135.605



Tritanomaly
70, 39.022, 182.460

Monochromacy



Original Color
70, 62.902, 154.880



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 26.993, 162.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 62.902, 154.880 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(29, 195, 120)` looks like.

```
.text, #text, p{  
    color:rgb(29, 195, 120)  
}
```

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(29, 195, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 195, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 62.902, 154.880 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(29, 195, 120) }
```

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

```
.border{ border-color:rgb(29, 195, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 195, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 195, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 195, 120);  
box-shadow:4px 4px 4px 4px rgb(29, 195,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 62.902, 154.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 195, 120) }
```

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

```
.background{ background-color: rgb(29, 195,  
120) }
```

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