

Converting Colors

CIELCh(70, 52.695, 163.458)

Have a look what the booklet for
CIELCh(70, 52.695, 163.458)
contains.

CIELCh(70, 52.504, 163.483)	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, 52.504, 163.483)

Conversions

Conversions Part 1

Format	Color
Hex	2AC18E
RGB	42, 193, 142
RGB Percent	16%, 76%, 56%
CMY	0.8368, 0.2417, 0.4418
CMYK	0.78, 0.00, 0.26, 0.24
HSL	160°, 65%, 46%
HSV	160°, 78%, 76%
XYZ	24.9984, 40.7494, 32.2730
YIQ	142.0370, -73.6250, -47.8730

Conversions

Conversions Part 2

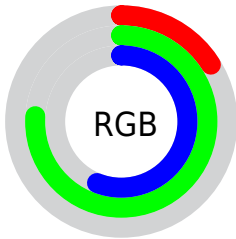
Format	Color
R_{YB}	42, 133, 193
Decimal	2802062
CIE Lab	70.00, -50.34, 14.93
CIE LCh	70, 52.504, 163.483
Yxy	40.7494, 0.2550, 0.4157
Android (android.graphics.Color)	4280992142 (0xFF2AC18E)
YUV	142.0370, -0.0182, -87.7324
Hunter-Lab	63.8353, -41.8098, 14.7096

Details

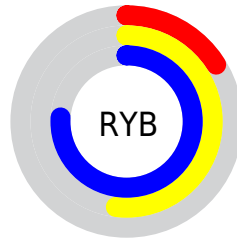
The CIELCh color **70, 52.504, 163.483** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **44, 61.967, 7.848**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 52.146, 163.662**, and **51, 46.197, 159.886** is the 20% darker color. If you saturate the color by 10%, you get **70, 56.402, 161.494**, and if you desaturate by 10%, it is **70, 47.816, 165.267**.

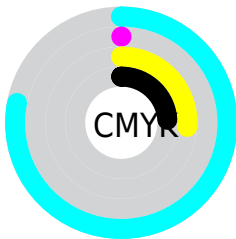
Distribution



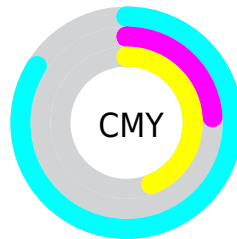
- Red (16%)
- Green (76%)
- Blue (56%)



- Red (16%)
- Yellow (52%)
- Blue (76%)



- Cyan (78%)
- Magenta (0%)
- Yellow (26%)
- Black (24%)



- Cyan (84%)
- Magenta (24%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 52.504, 163.483 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, 52.504, 163.483 by changing the saturation by 10% instead.

 70, 52.504,
163.483

 70, 52.504,
163.483


 100, 52.504,
163.483

 60, 52.504,
163.483


 90, 52.504,
163.483

 50, 52.504,
163.483

 40, 52.504,
163.483

 30, 52.504,
163.483

 20, 52.504,
163.483

 10, 52.504,
163.483

 0, 52.504, 163.483

■ 70, 52.504,
163.483

■ 70, 52.504,
163.483

■ 70, 56.402,
161.494

■ 70, 47.816,
165.267

■ 69, 59.622,
159.339

■ 71, 42.347,
166.859

■ 69, 60.095,
159.017

■ 72, 36.168,
168.283

■ 73, 29.386,
169.563

■ 74, 22.129,
170.723

■ 75, 14.530,
171.787

■ 77, 6.712, 172.794

■ 78, 1.219, 353.256

Harmonies

Complementary

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



70, 52.504, 163.483



44, 61.967, 7.848

Rectangle

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



70, 52.504, 163.483



70, 52.504, 213.483



70, 52.504, 343.483



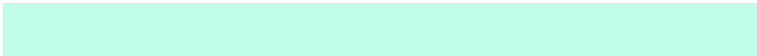
70, 52.504, 33.483

Sweetspot

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



70, 52.504, 163.482



95, 23.289, 171.168



70, 82.248, 131.001



50, 16.052, 170.773



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, 52.504, 163.482



88, 71.739, 159.977



64, 33.573, 219.518



40, 4.497, 172.703



58, 52.088, 159.352



10, 16.166, 165.356

Inverse Universe

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



44, 61.967, 7.848



54, 83.973, 15.648



46, 65.216, 39.428



38, 4.605, 354.312



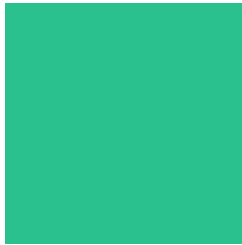
34, 60.954, 17.114



3, 14.766, 1.624

Previews

White Background



This preview shows how the CIELCh color 70, 52.504, 163.483 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, 52.504, 163.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

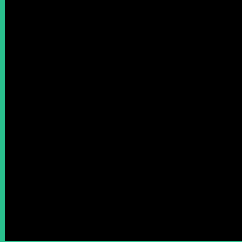
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 52.504, 163.483

Background



This preview shows how black text looks on a background with the CIELCh color 70, 52.504, 163.483.

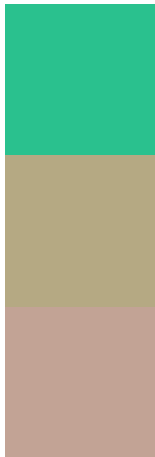


This preview shows how white text looks on a background with the CIELCh color 70, 52.504, 163.483.

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](#).

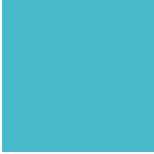
Dichromacy



Original Color
70, 52.406, 163.426

Protanopia
69, 21.280, 94.599

Deuteranopia
69, 14.727, 51.377



Tritanopia
70, 31.998, 212.185

Trichromacy



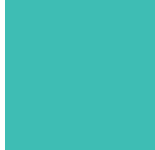
Original Color
70, 52.406, 163.426



Protanomaly
68, 29.954, 145.524



Deuteranomaly
68, 20.039, 150.138



Tritanomaly
70, 36.656, 188.776

Monochromacy



Original Color
70, 52.406, 163.426



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 22.836, 169.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 52.504, 163.483 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(42, 193, 142)` looks like.

```
.text, #text, p{  
    color:rgb(42, 193, 142)  
}
```

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(42, 193, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 193, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 52.504, 163.483 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(42, 193, 142) }
```

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

```
.border{ border-color:rgb(42, 193, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 193, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 193, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 193, 142);  
box-shadow:4px 4px 4px 4px rgb(42, 193,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 52.504, 163.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 193, 142) }
```

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

```
.background{ background-color: rgb(42, 193,  
142) }
```

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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