

Converting Colors

CIELCh(68, 52.243, 149.859)

Have a look what the booklet for
CIELCh(68, 52.243, 149.859)
contains.

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Color

CIELCh(68, 52.269, 149.820)

Conversions

Conversions Part 1

Format	Color
Hex	53B974
RGB	83, 185, 116
RGB Percent	33%, 73%, 45%
CMY	0.6730, 0.2731, 0.5438
CMYK	0.55, 0.00, 0.37, 0.27
HSL	139°, 42%, 53%
HSV	139°, 55%, 73%
XYZ	24.1954, 37.9720, 22.6770
YIQ	146.6360, -38.6430, -43.0830

Conversions

Conversions Part 2

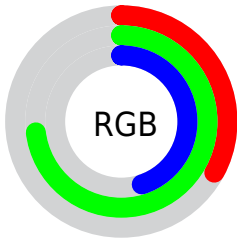
Format	Color
RYB	83, 160, 185
Decimal	5486964
CIELab	68.00, -45.18, 26.28
CIELCh	68, 52.269, 149.820
Yxy	37.9720, 0.2852, 0.4475
Android (android.graphics.Color)	4283677044 (0xFF53B974)
YUV	146.6360, -15.1035, -55.8088
Hunter-Lab	61.6215, -37.7502, 21.3160

Details

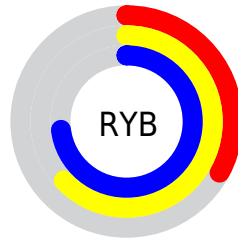
The CIELCh color **68, 52.269, 149.820** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **51, 52.686, 339.755**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 52.159, 149.908**, and **48, 52.254, 149.856** is the 20% darker color. If you saturate the color by 10%, you get **67, 60.465, 148.324**, and if you desaturate by 10%, it is **69, 43.415, 151.133**.

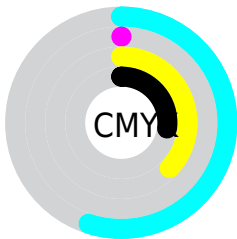
Distribution



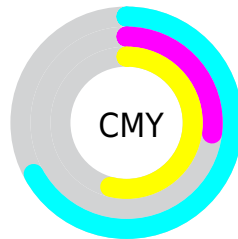
- Red (33%)
- Green (73%)
- Blue (45%)



- Red (33%)
- Yellow (63%)
- Blue (73%)



- Cyan (55%)
- Magenta (0%)
- Yellow (37%)
- Black (27%)





- Cyan (67%)
- Magenta (27%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 52.269, 149.820 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 68, 52.269, 149.820 by changing the saturation by 10% instead.


 68, 52.269,
149.820


 68, 52.269,
149.820


 100, 52.269,
149.820


 58, 52.269,
149.820


 88, 52.269,
149.820

 48, 52.269,
149.820

 98, 52.269,
149.820

 38, 52.269,
149.820

 28, 52.269,
149.820

 18, 52.269,
149.820

 8, 52.269, 149.820

 0, 52.269, 149.820

■ 68, 52.269,
149.820

■ 68, 52.269,
149.820

■ 67, 60.465,
148.324

■ 69, 43.415,
151.133

■ 67, 67.838,
146.639

■ 70, 34.082,
152.277

■ 66, 74.264,
144.784

■ 71, 24.446,
153.276

■ 66, 79.676,
142.807

■ 73, 14.667,
154.152

■ 66, 82.075,
141.869

■ 74, 4.877, 154.956

■ 76, 4.818, 335.491

■ 78, 14.341,
336.131

■ 80, 23.638,
336.671

■ 82, 32.675,
337.154

Harmonies

Complementary

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



68, 52.269, 149.820



51, 52.686, 339.755

Rectangle

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



68, 52.269, 149.820



68, 52.269, 199.820



68, 52.269, 329.820



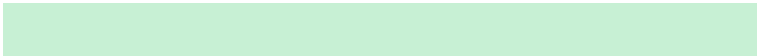
68, 52.269, 19.820

Sweetspot

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



68, 52.270, 149.820



91, 20.467, 153.963



71, 54.496, 119.497



48, 13.685, 153.793



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 52.270, 149.820



85, 75.242, 147.994



69, 34.243, 179.146



38, 5.477, 154.610



56, 71.615, 142.166



8, 16.004, 151.831

Inverse Universe

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



51, 52.686, 339.755



60, 74.606, 341.122



49, 44.020, 12.556



36, 5.508, 335.846



34, 63.066, 346.302



3, 13.797, 340.618

Previews

White Background



This preview shows how the CIE LCh color 68, 52.269, 149.820 looks on a white background.

Color Contrast Check

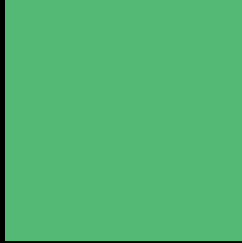
Large Text (above 18pt) WCAG AA × Fail

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 68, 52.269, 149.820 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 68, 52.269, 149.820

Background



This preview shows how black text looks on a background with the CIELCh color 68, 52.269, 149.820.

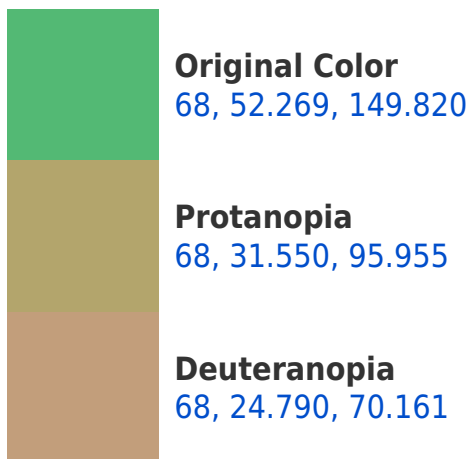


This preview shows how white text looks on a background with the CIELCh color 68, 52.269, 149.820.

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
68, 23.897, 218.159

Trichromacy



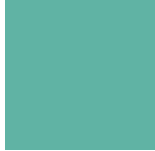
Original Color
68, 52.269, 149.820



Protanomaly
67, 34.943, 125.946



Deuteranomaly
67, 26.247, 120.120



Tritanomaly
68, 28.986, 180.361

Monochromacy



Original Color
68, 52.269, 149.820



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 20.005, 153.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 52.269, 149.820 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(83, 185, 116)` looks like.

```
.text, #text, p{  
    color:rgb(83, 185, 116)  
}
```

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(83, 185, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 185, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 52.269, 149.820 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(83, 185, 116) }
```

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

```
.border{ border-color:rgb(83, 185, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 185, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 185, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 185, 116);  
box-shadow:4px 4px 4px 4px rgb(83, 185,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 52.269, 149.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 185, 116) }
```

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

```
.background{ background-color: rgb(83, 185,  
116) }
```

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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