

Converting Colors

CIELCh(67, 29.820, 122.343)

Have a look what the booklet for
CIELCh(67, 29.820, 122.343)
contains.

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Color

CIELCh(67, 29.820, 122.343)

Conversions

Conversions Part 1

Format	Color
Hex	97AA75
RGB	151, 170, 117
RGB Percent	59%, 67%, 46%
CMY	0.4077, 0.3332, 0.5410
CMYK	0.11, 0.00, 0.31, 0.33
HSL	82°, 24%, 56%
HSV	82°, 31%, 67%
XYZ	30.3644, 36.6320, 22.3110
YIQ	158.2770, 5.6890, -20.5110

Conversions

Conversions Part 2

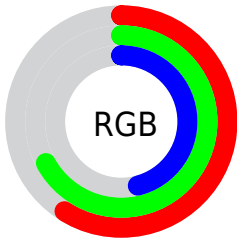
Format	Color
RYB	117, 170, 136
Decimal	9939573
CIELab	67.00, -15.95, 25.19
CIELCh	67, 29.820, 122.343
Yxy	36.6320, 0.3400, 0.4102
Android (android.graphics.Color)	4288129653 (0xFF97AA75)
YUV	158.2770, -20.3496, -6.3819
Hunter-Lab	60.5244, -16.3661, 20.5111

Details

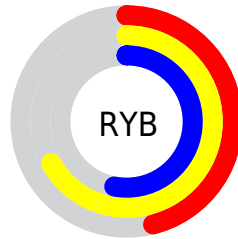
The CIELCh color **67, 29.820, 122.343** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **53, 31.564, 305.859**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 29.870, 121.906**, and **47, 29.988, 122.685** is the 20% darker color. If you saturate the color by 10%, you get **66, 39.100, 121.831**, and if you desaturate by 10%, it is **68, 20.333, 122.881**.

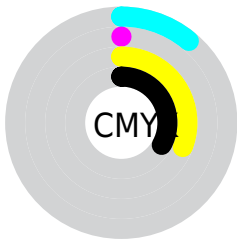
Distribution



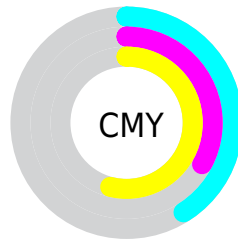
- Red (59%)
- Green (67%)
- Blue (46%)



- Red (46%)
- Yellow (67%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (31%)
- Black (33%)



- Cyan (41%)
- Magenta (33%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 29.820, 122.343 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 67, 29.820, 122.343 by changing the saturation by 10% instead.

 67, 29.820,
122.343

 67, 29.820,
122.343

 100, 29.820,
122.343


 57, 29.820,
122.343


 87, 29.820,
122.343

 47, 29.820,
122.343

 97, 29.820,
122.343

 37, 29.820,
122.343

 27, 29.820,
122.343

 17, 29.820,
122.343

 7, 29.820, 122.343

 0, 29.820, 122.343

67, 29.820,
122.343

67, 29.820,
122.343

66, 39.100,
121.831

68, 20.333,
122.881

66, 48.011,
121.378

69, 10.740,
123.415

65, 56.326,
121.042

70, 1.118, 123.979

65, 63.719,
120.908

70, 8.482, 304.404

64, 69.790,
121.083

72, 18.024,
304.864

64, 74.154,
121.679

73, 27.481,
305.288

63, 76.802,
122.489

74, 36.832,
305.678

75, 46.065,
306.035

■ 76, 47.443,
308.171

Harmonies

Complementary

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



67, 29.820, 122.343



53, 31.564, 305.859

Rectangle

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



67, 29.820, 122.343



67, 29.820, 172.343



67, 29.820, 302.343



67, 29.820, 352.343

Sweetspot

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



67, 29.822, 122.345



87, 10.741, 123.522



59, 18.196, 55.256



47, 7.525, 123.446



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 29.822, 122.345



85, 43.759, 122.007



65, 34.133, 138.550



35, 5.394, 123.515



56, 69.227, 122.310



5, 10.015, 126.813

Inverse Universe

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



53, 31.564, 305.859



64, 46.957, 306.328



55, 34.468, 321.692



33, 5.487, 304.467



20, 85.415, 309.347



1, 9.798, 302.122

Previews

White Background



This preview shows how the CIELCh color 67, 29.820, 122.343 looks on a white background.

Color Contrast Check

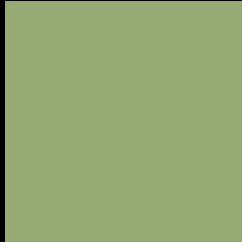
Large Text (above 18pt) WCAG AA × Fail

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 67, 29.820, 122.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

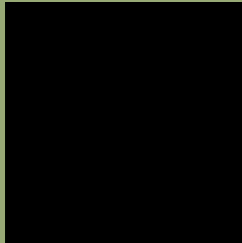
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 29.820, 122.343

Background



This preview shows how black text looks on a background with the CIELCh color 67, 29.820, 122.343.



This preview shows how white text looks on a background with the CIELCh color 67, 29.820, 122.343.

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](#).

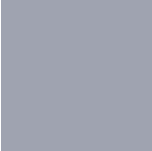
Dichromacy



Original Color
67, 29.820, 122.343

Protanopia
67, 27.333, 95.693

Deuteranopia
67, 25.312, 70.776



Tritanopia
67, 7.304, 279.392

Trichromacy



Original Color
67, 29.820, 122.343

Protanomaly
67, 27.733, 106.394

Deuteranomaly
67, 24.034, 91.412

Tritanomaly
67, 7.203, 141.666

Monochromacy



Original Color
67, 29.820, 122.343

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 10.859, 123.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 29.820, 122.343 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(151, 170, 117)` looks like.

```
.text, #text, p{  
    color:rgb(151, 170, 117)  
}
```

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(151, 170, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 170, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 29.820, 122.343 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(151, 170, 117) }
```

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

```
.border{ border-color:rgb(151, 170, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 170, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 170, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 170, 117);  
box-shadow:4px 4px 4px 4px rgb(151, 170,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 29.820, 122.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 170, 117) }
```

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

```
.background{ background-color: rgb(151,  
170, 117) }
```

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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