

Converting Colors

CIELCh(72, 50.755, 149.379)

Have a look what the booklet for
CIELCh(72, 50.755, 149.379)
contains.

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Color

CIELCh(72, 51.000, 149.231)

Conversions

Conversions Part 1

Format	Color
Hex	63C47F
RGB	99, 196, 127
RGB Percent	39%, 77%, 50%
CMY	0.6118, 0.2314, 0.5020
CMYK	0.49, 0.00, 0.35, 0.23
HSL	137°, 45%, 58%
HSV	137°, 49%, 77%
XYZ	28.7121, 43.6590, 26.9891
YIQ	159.1310, -35.6630, -42.0230

Conversions

Conversions Part 2

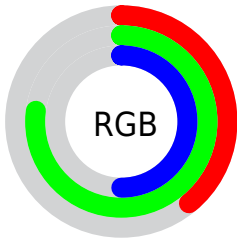
Format	Color
RYB	99, 174, 196
Decimal	6538367
CIELab	72.00, -43.82, 26.09
CIELCh	72, 51.000, 149.231
Yxy	43.6590, 0.2890, 0.4394
Android (android.graphics.Color)	4284728447 (0xFF63C47F)
YUV	159.1310, -15.8406, -52.7349
Hunter-Lab	66.0750, -38.0663, 22.0348

Details

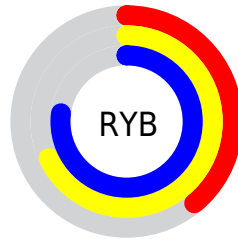
The CIELCh color **72, 51.000, 149.231** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 51.344, 337.595**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 50.977, 149.223**, and **52, 50.873, 149.318** is the 20% darker color. If you saturate the color by 10%, you get **71, 60.227, 147.849**, and if you desaturate by 10%, it is **73, 41.166, 150.438**.

Distribution



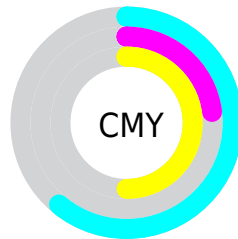
- Red (39%)
- Green (77%)
- Blue (50%)



- Red (39%)
- Yellow (68%)
- Blue (77%)



- Cyan (49%)
- Magenta (0%)
- Yellow (35%)
- Black (23%)





- Cyan (61%)
- Magenta (23%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 51.000, 149.231 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 72, 51.000, 149.231 by changing the saturation by 10% instead.


 72, 51.000,
149.231


 72, 51.000,
149.231


 100, 51.000,
149.231


 62, 51.000,
149.231


 92, 51.000,
149.231

 52, 51.000,
149.231

 42, 51.000,
149.231

 32, 51.000,
149.231

 22, 51.000,
149.231

 12, 51.000,
149.231

 2, 51.000, 149.231

0, 51.000, 149.231

72, 51.000,
149.231

72, 51.000,
149.231

71, 60.227,
147.849

73, 41.166,
150.438

70, 68.644,
146.284

74, 30.922,
151.487

70, 76.077,
144.548

76, 20.457,
152.401

70, 82.398,
142.680

77, 9.929, 153.208

69, 87.603,
140.808

79, 0.536, 333.249

81, 10.840,
334.442

69, 87.847,
140.722

83, 20.916,

334.994

■ 85, 30.531,
335.069

■ 86, 35.953,
326.908

Harmonies

Complementary

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



72, 51.000, 149.231



56, 51.344, 337.595

Rectangle

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



72, 51.000, 149.231



72, 51.000, 199.231



72, 51.000, 329.231



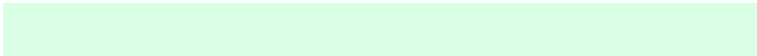
72, 51.000, 19.231

Sweetspot

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



72, 51.001, 149.231



97, 19.475, 152.755



75, 51.423, 118.324



51, 13.294, 152.579



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 51.001, 149.231



90, 73.888, 147.785



73, 33.771, 176.992



40, 5.875, 153.218



58, 75.271, 141.028



10, 21.048, 149.887

Inverse Universe

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



56, 51.344, 337.595



67, 73.664, 338.591



54, 41.325, 8.775



38, 5.903, 334.427



36, 65.952, 343.839



4, 18.442, 339.558

Previews

White Background



This preview shows how the CIELCh color 72, 51.000, 149.231 looks on a white background.

Color Contrast Check

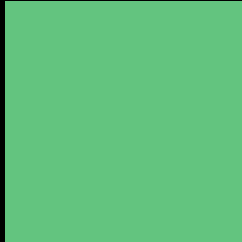
Large Text (above 18pt) WCAG AA × Fail

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 72, 51.000, 149.231 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 72, 51.000, 149.231

Background



This preview shows how black text looks on a background with the CIELCh color 72, 51.000, 149.231.

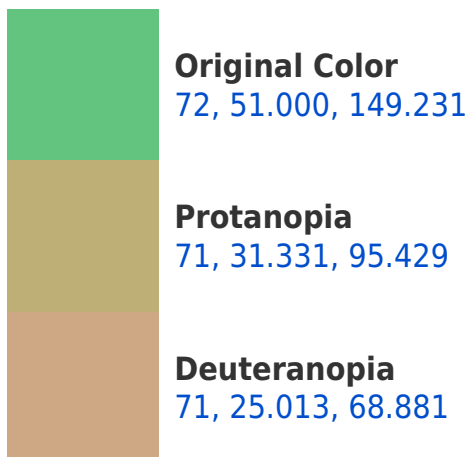


This preview shows how white text looks on a background with the CIELCh color 72, 51.000, 149.231.

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
72, 23.201, 218.650

Trichromacy



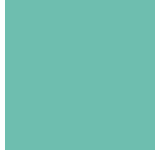
Original Color
72, 51.000, 149.231



Protanomaly
71, 34.810, 124.536



Deuteranomaly
71, 25.731, 117.615



Tritanomaly
72, 28.154, 180.235

Monochromacy



Original Color
72, 51.000, 149.231



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 19.246, 152.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 51.000, 149.231 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(99, 196, 127)` looks like.

```
.text, #text, p{  
    color:rgb(99, 196, 127)  
}
```

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(99, 196, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 196, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 51.000, 149.231 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(99, 196, 127) }
```

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

```
.border{ border-color:rgb(99, 196, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 196, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 196, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 196, 127);  
box-shadow:4px 4px 4px 4px rgb(99, 196,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 51.000, 149.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 196, 127) }
```

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

```
.background{ background-color: rgb(99, 196,  
127) }
```

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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