

Converting Colors

CIELCh(72, 54.838, 150.059)

Have a look what the booklet for
CIELCh(72, 54.838, 150.059)
contains.

CIELCh(72, 54.864, 150.022)	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(72, 54.864, 150.022)

Conversions

Conversions Part 1

Format	Color
Hex	58C57C
RGB	88, 197, 124
RGB Percent	35%, 77%, 49%
CMY	0.6534, 0.2260, 0.5124
CMYK	0.55, 0.00, 0.37, 0.23
HSL	140°, 49%, 56%
HSV	140°, 55%, 77%
XYZ	27.7718, 43.6590, 26.1452
YIQ	156.0870, -41.5310, -45.8110

Conversions

Conversions Part 2

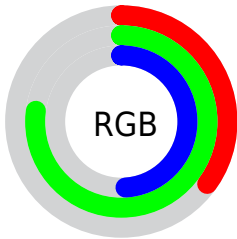
Format	Color
RYB	88, 170, 197
Decimal	5817724
CIELab	72.00, -47.52, 27.41
CIElCh	72, 54.864, 150.022
Yxy	43.6590, 0.2846, 0.4474
Android (android.graphics.Color)	4284007804 (0xFF58C57C)
YUV	156.0870, -15.8189, -59.7123
Hunter-Lab	66.0750, -40.6065, 22.7920

Details

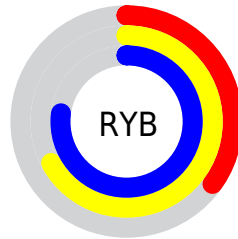
The CIELCh color **72, 54.864, 150.022** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **54, 55.345, 340.139**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 54.580, 149.952**, and **52, 54.858, 150.007** is the 20% darker color. If you saturate the color by 10%, you get **71, 63.404, 148.506**, and if you desaturate by 10%, it is **73, 45.625, 151.351**.

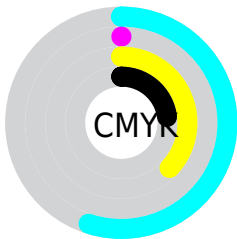
Distribution



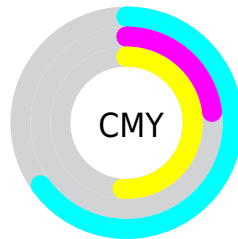
- Red (35%)
- Green (77%)
- Blue (49%)



- Red (35%)
- Yellow (67%)
- Blue (77%)



- Cyan (55%)
- Magenta (0%)
- Yellow (37%)
- Black (23%)





- Cyan (65%)
- Magenta (23%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 54.864, 150.022 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, 54.864, 150.022 by changing the saturation by 10% instead.


 72, 54.864,
150.022


 72, 54.864,
150.022


 100, 54.864,
150.022


 62, 54.864,
150.022


 92, 54.864,
150.022

 52, 54.864,
150.022

 42, 54.864,
150.022

 32, 54.864,
150.022

 22, 54.864,
150.022

 12, 54.864,
150.022

 2, 54.864, 150.022

0, 54.864, 150.022

72, 54.864,
150.022

72, 54.864,
150.022

71, 63.404,
148.506

73, 45.625,
151.351

71, 71.075,
146.800

74, 35.873,
152.510

70, 77.750,
144.919

75, 25.796,
153.521

70, 83.368,
142.915

77, 15.560,
154.408

70, 85.759,
141.996

79, 5.309, 155.220

81, 4.847, 335.762

83, 14.826,

336.413

■ 85, 24.568,
336.961

■ 86, 31.470,
332.030

Harmonies

Complementary

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



72, 54.864, 150.022



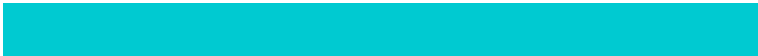
54, 55.345, 340.139

Rectangle

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



72, 54.864, 150.022



72, 54.864, 200.022



72, 54.864, 330.022



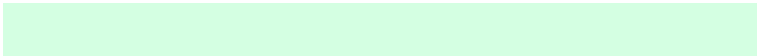
72, 54.864, 20.022

Sweetspot

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



72, 54.865, 150.022



96, 21.411, 154.235



75, 57.511, 119.480



51, 14.324, 154.059



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, 54.865, 150.022



90, 78.635, 148.215



73, 36.099, 179.095



41, 5.822, 154.882



59, 73.956, 142.303



11, 22.531, 150.160

Inverse Universe

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



54, 55.345, 340.139



63, 78.041, 341.516



52, 46.503, 12.665



39, 5.856, 336.141



36, 65.021, 346.911



4, 20.060, 342.422

Previews

White Background



This preview shows how the CIELCh color 72, 54.864, 150.022 looks on a white background.

Color Contrast Check

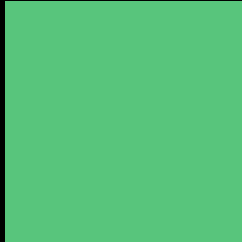
Large Text (above 18pt) WCAG AA × Fail

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, 54.864, 150.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

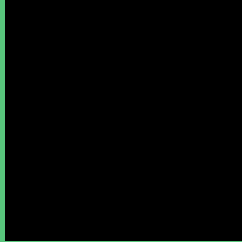
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 54.864, 150.022

Background



This preview shows how black text looks on a background with the CIELCh color 72, 54.864, 150.022.

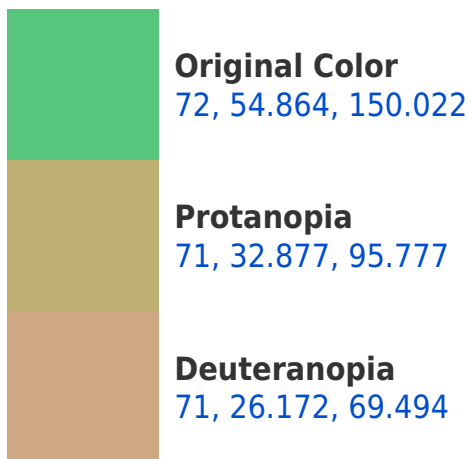


This preview shows how white text looks on a background with the CIELCh color 72, 54.864, 150.022.

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



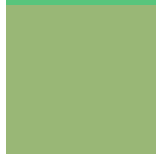


Tritanopia
72, 25.100, 216.873

Trichromacy



Original Color
72, 54.864, 150.022



Protanomaly
71, 36.827, 126.029



Deuteranomaly
71, 27.606, 120.200



Tritanomaly
72, 30.881, 179.449

Monochromacy



Original Color
72, 54.864, 150.022



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 21.376, 153.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 54.864, 150.022 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(88, 197, 124)` looks like.

```
.text, #text, p{  
    color:rgb(88, 197, 124)  
}
```

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(88, 197, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 197, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 54.864, 150.022 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(88, 197, 124) }
```

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

```
.border{ border-color:rgb(88, 197, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 197, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 197, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 197, 124);  
box-shadow:4px 4px 4px 4px rgb(88, 197,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 54.864, 150.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 197, 124) }
```

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

```
.background{ background-color: rgb(88, 197,  
124) }
```

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