

Converting Colors

CIELCh(72, 56.843, 154.340)

Have a look what the booklet for
CIELCh(72, 56.843, 154.340)
contains.

CIELCh(72, 57.104, 154.142)	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, 57.104, 154.142)

Conversions

Conversions Part 1

Format	Color
Hex	45C781
RGB	69, 199, 129
RGB Percent	27%, 78%, 51%
CMY	0.7297, 0.2199, 0.4944
CMYK	0.65, 0.00, 0.35, 0.22
HSL	148°, 54%, 53%
HSV	148°, 65%, 78%
XYZ	26.8131, 43.6590, 27.7600
YIQ	152.1500, -55.0100, -49.3300

Conversions

Conversions Part 2

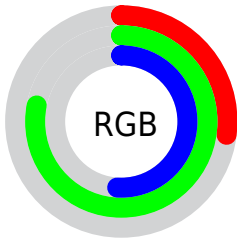
Format	Color
RYB	69, 158, 199
Decimal	4573057
CIELab	72.00, -51.39, 24.91
CIELCh	72, 57.104, 154.142
Yxy	43.6590, 0.2730, 0.4444
Android (android.graphics.Color)	4282763137 (0xFF45C781)
YUV	152.1500, -11.4129, -72.9225
Hunter-Lab	66.0750, -43.1963, 21.3430

Details

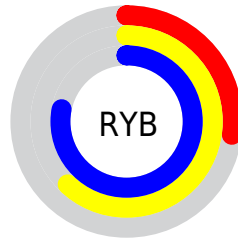
The CIELCh color **72, 57.104, 154.142** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **50, 59.109, 349.122**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 56.405, 154.398**, and **52, 54.706, 152.224** is the 20% darker color. If you saturate the color by 10%, you get **71, 63.862, 152.353**, and if you desaturate by 10%, it is **73, 49.561, 155.724**.

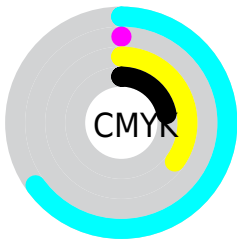
Distribution



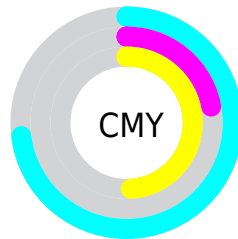
- Red (27%)
- Green (78%)
- Blue (51%)



- Red (27%)
- Yellow (62%)
- Blue (78%)



- Cyan (65%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)





- Cyan (73%)
- Magenta (22%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 57.104, 154.142 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, 57.104, 154.142 by changing the saturation by 10% instead.


 72, 57.104,
154.142


 72, 57.104,
154.142


 100, 57.104,
154.142


 62, 57.104,
154.142


 92, 57.104,
154.142

 52, 57.104,
154.142

 42, 57.104,
154.142

 32, 57.104,
154.142

 22, 57.104,
154.142

 12, 57.104,
154.142

 2, 57.104, 154.142

0, 57.104, 154.142

72, 57.104,
154.142

72, 57.104,
154.142

71, 63.862,
152.353

73, 49.561,
155.724

71, 69.761,
150.357

74, 41.356,
157.116

71, 74.808,
148.177

75, 32.642,
158.341

71, 76.963,
147.174

76, 23.578,
159.423

78, 14.315,
160.390

79, 4.983, 161.296

■ 81, 4.312, 341.897

■ 83, 13.488,
342.658

■ 85, 22.485,
343.309

Harmonies

Complementary

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



72, 57.104, 154.142



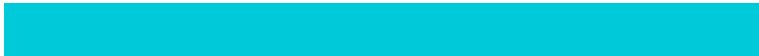
50, 59.109, 349.122

Rectangle

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



72, 57.104, 154.142



72, 57.104, 204.142



72, 57.104, 334.142



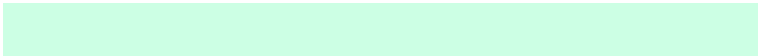
72, 57.104, 24.142

Sweetspot

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



72, 57.105, 154.142



96, 22.791, 159.925



74, 69.153, 124.527



51, 15.535, 159.646



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, 57.105, 154.142



89, 79.810, 151.621



73, 37.054, 191.149



41, 5.282, 160.930



59, 65.949, 147.529



11, 20.657, 154.337

Inverse Universe

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



50, 59.109, 349.122



59, 80.304, 352.071



48, 57.676, 25.511



39, 5.339, 342.349



35, 61.274, 358.012



4, 18.258, 350.627

Previews

White Background



This preview shows how the CIELCh color 72, 57.104, 154.142 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, 57.104, 154.142 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, 57.104, 154.142

Background



This preview shows how black text looks on a background with the CIELCh color 72, 57.104, 154.142.

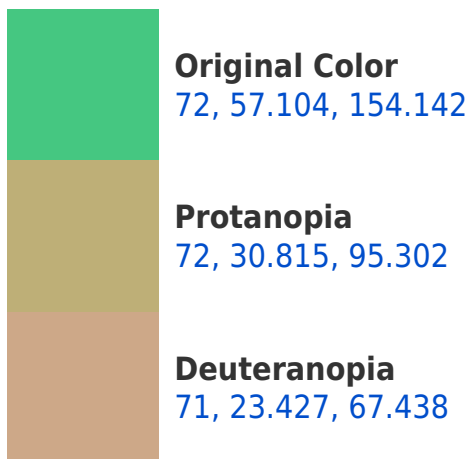


This preview shows how white text looks on a background with the CIELCh color 72, 57.104, 154.142.

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, 28.813, 214.059

Trichromacy



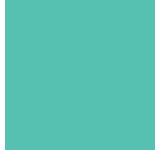
Original Color
72, 57.104, 154.142



Protanomaly
71, 36.100, 131.725



Deuteranomaly
70, 26.526, 127.898



Tritanomaly
72, 34.676, 182.082

Monochromacy



Original Color
72, 57.104, 154.142



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 22.506, 159.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 57.104, 154.142 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(69, 199, 129)` looks like.

```
.text, #text, p{  
    color:rgb(69, 199, 129)  
}
```

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(69, 199, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 199, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 57.104, 154.142 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(69, 199, 129) }
```

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

```
.border{ border-color:rgb(69, 199, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 199, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 199, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 199, 129);  
box-shadow:4px 4px 4px 4px rgb(69, 199,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 57.104, 154.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 199, 129) }
```

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

```
.background{ background-color: rgb(69, 199,  
129) }
```

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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