

Converting Colors

CIELCh(72, 50.372, 137.317)

Have a look what the booklet for
CIELCh(72, 50.372, 137.317)
contains.

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Color

CIELCh(72, 50.473, 137.491)

Conversions

Conversions Part 1

Format	Color
Hex	7DC170
RGB	125, 193, 112
RGB Percent	49%, 76%, 44%
CMY	0.5099, 0.2432, 0.5608
CMYK	0.35, 0.00, 0.42, 0.24
HSL	110°, 40%, 60%
HSV	110°, 42%, 76%
XYZ	30.4438, 43.6590, 22.1465
YIQ	163.4340, -14.5270, -39.6070

Conversions

Conversions Part 2

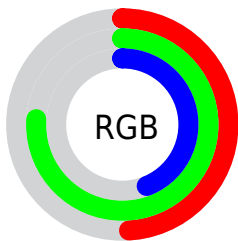
Format	Color
RYB	112, 193, 180
Decimal	8241520
CIELab	72.00, -37.21, 34.10
CIElCh	72, 50.473, 137.491
Yxy	43.6590, 0.3163, 0.4536
Android (android.graphics.Color)	4286431600 (0xFF7DC170)
YUV	163.4340, -25.3570, -33.7066
Hunter-Lab	66.0750, -33.3879, 26.3801

Details

The CIELCh color **72, 50.473, 137.491** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **57, 51.129, 321.841**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 50.441, 137.593**, and **52, 50.631, 137.302** is the 20% darker color. If you saturate the color by 10%, you get **71, 61.747, 136.750**, and if you desaturate by 10%, it is **73, 38.670, 138.196**.

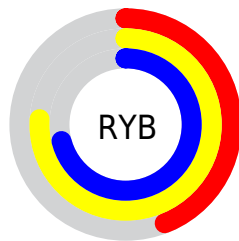
Distribution



Red (49%)

Green (76%)

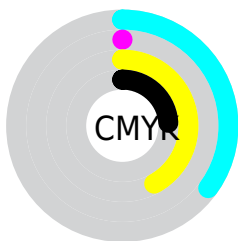
Blue (44%)



Red (44%)

Yellow (76%)

Blue (71%)

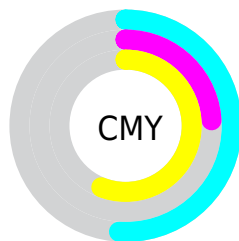


Cyan (35%)

Magenta (0%)

Yellow (42%)

Black (24%)



Cyan (51%)


Magenta (24%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 50.473, 137.491 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, 50.473, 137.491 by changing the saturation by 10% instead.


 72, 50.473,
137.491


 72, 50.473,
137.491


 100, 50.473,
137.491


 62, 50.473,
137.491


 92, 50.473,
137.491

 52, 50.473,
137.491

 42, 50.473,
137.491

 32, 50.473,
137.491

 22, 50.473,
137.491

 12, 50.473,
137.491

 2, 50.473, 137.491

■ 0, 50.473, 137.491

■ 72, 50.473,
137.491

■ 72, 50.473,
137.491

■ 71, 61.747,
136.750

■ 73, 38.670,
138.196

■ 70, 72.143,
136.024

■ 75, 26.596,
138.839

■ 69, 81.220,
135.403

■ 76, 14.444,
139.412

■ 69, 88.467,
135.011

■ 78, 2.358, 139.981

■ 69, 93.431,
134.967

■ 80, 9.562, 320.294

■ 68, 95.924,
135.100

■ 81, 21.247,
320.671

■ 83, 32.652,

320.985

■ 85, 38.821,
325.591

■ 85, 38.892,
325.775

Harmonies

Complementary

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



72, 50.473, 137.491



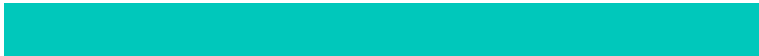
57, 51.129, 321.841

Rectangle

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



72, 50.473, 137.491



72, 50.473, 187.491



72, 50.473, 317.491



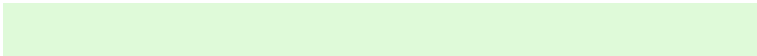
72, 50.473, 7.491

Sweetspot

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



72, 50.474, 137.492



96, 19.359, 139.345



73, 36.452, 97.559



51, 13.556, 139.221



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 50.474, 137.492



90, 73.410, 136.839



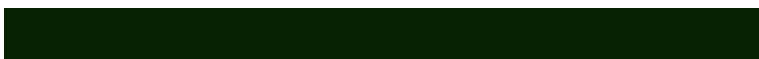
72, 41.626, 151.890



40, 6.853, 139.552



58, 83.615, 134.989



10, 23.258, 140.984

Inverse Universe

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



57, 51.129, 321.841



68, 74.401, 322.164



58, 42.258, 338.973



38, 6.885, 320.386



33, 82.897, 322.177



3, 22.358, 319.227

Previews

White Background



This preview shows how the CIELCh color 72, 50.473, 137.491 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, 50.473, 137.491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

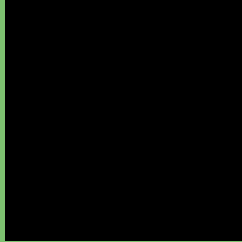
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 50.473, 137.491

Background



This preview shows how black text looks on a background with the CIELCh color 72, 50.473, 137.491.

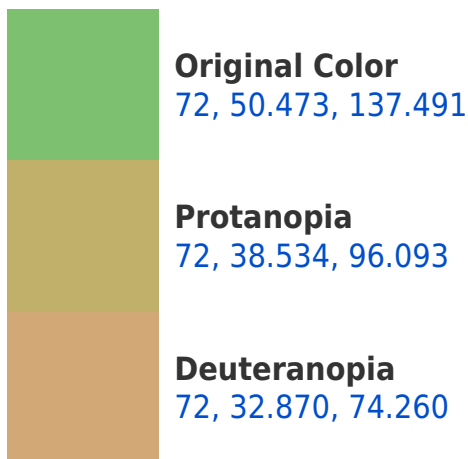


This preview shows how white text looks on a background with the CIELCh color 72, 50.473, 137.491.

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, 16.298, 228.721

Trichromacy



Original Color
72, 50.473, 137.491

Protanomaly
71, 39.664, 114.789

Deuteranomaly
71, 32.688, 105.426

Tritanomaly
72, 21.814, 167.703

Monochromacy



Original Color
72, 50.473, 137.491

Achromatopsia
67, 0.008, 296.813

Achromatomaly
69, 19.123, 138.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 50.473, 137.491 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(125, 193, 112)` looks like.

```
.text, #text, p{  
    color:rgb(125, 193, 112)  
}
```

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(125, 193, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 193, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 50.473, 137.491 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(125, 193, 112) }
```

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

```
.border{ border-color:rgb(125, 193, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 193, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 193, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 193, 112);  
box-shadow:4px 4px 4px 4px rgb(125, 193,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 50.473, 137.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 193, 112) }
```

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

```
.background{ background-color: rgb(125,  
193, 112) }
```

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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