

Converting Colors

CIELCh(75, 48.174, 149.788)

Have a look what the booklet for
CIELCh(75, 48.174, 149.788)
contains.

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Color

CIELCh(75, 48.510, 149.543)

Conversions

Conversions Part 1

Format	Color
Hex	70CC8A
RGB	112, 204, 138
RGB Percent	44%, 80%, 54%
CMY	0.5621, 0.2013, 0.4600
CMYK	0.45, 0.00, 0.32, 0.20
HSL	137°, 47%, 62%
HSV	137°, 45%, 80%
XYZ	32.7201, 48.2781, 31.5225
YIQ	168.9680, -33.6460, -40.0300

Conversions

Conversions Part 2

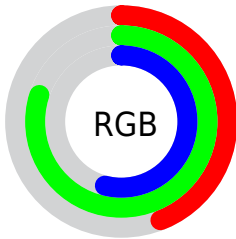
Format	Color
RYB	112, 184, 204
Decimal	7392394
CIELab	75.00, -41.82, 24.59
CIELCh	75, 48.510, 149.543
Yxy	48.2781, 0.2908, 0.4291
Android (android.graphics.Color)	4285582474 (0xFF70CC8A)
YUV	168.9680, -15.2672, -49.9609
Hunter-Lab	69.4824, -37.5365, 21.7393

Details

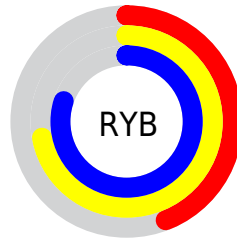
The CIELCh color **75, 48.510, 149.543** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 48.901, 336.960**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 44.624, 150.484**, and **55, 48.590, 149.287** is the 20% darker color. If you saturate the color by 10%, you get **74, 58.366, 148.236**, and if you desaturate by 10%, it is **76, 38.112, 150.681**.

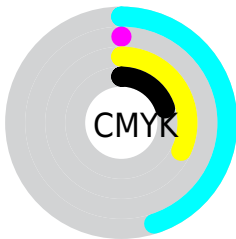
Distribution



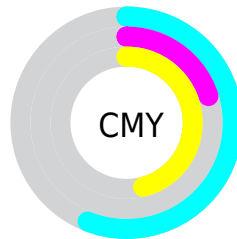
- Red (44%)
- Green (80%)
- Blue (54%)



- Red (44%)
- Yellow (72%)
- Blue (80%)



- Cyan (45%)
- Magenta (0%)
- Yellow (32%)
- Black (20%)





- Cyan (56%)
- Magenta (20%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 48.510, 149.543 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 75, 48.510, 149.543 by changing the saturation by 10% instead.


 75, 48.510,
149.543


 75, 48.510,
149.543


 100, 48.510,
149.543


 65, 48.510,
149.543


 95, 48.510,
149.543

 55, 48.510,
149.543

 45, 48.510,
149.543

 35, 48.510,
149.543

 25, 48.510,
149.543

 15, 48.510,
149.543

 5, 48.510, 149.543

■ 0, 48.510, 149.543

■ 75, 48.510,
149.543

■ 75, 48.510,
149.543

■ 74, 58.366,
148.236

■ 76, 38.112,
150.681

■ 73, 67.463,
146.748

■ 78, 27.375,
151.669

■ 73, 75.606,
145.082

■ 79, 16.482,
152.532

■ 72, 82.632,
143.266

■ 81, 5.586, 153.315

■ 72, 88.441,
141.365

■ 83, 5.195, 333.841

■ 72, 90.871,
140.501

■ 85, 15.774,
334.458

■ 87, 26.092,

334.975

■ 88, 31.998,
325.783

■ 88, 32.188,
325.544

Harmonies

Complementary

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



75, 48.510, 149.543



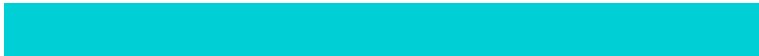
59, 48.901, 336.960

Rectangle

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



75, 48.510, 149.543



75, 48.510, 199.543



75, 48.510, 329.543



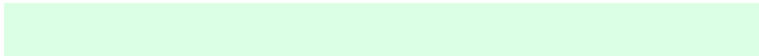
75, 48.510, 19.543

Sweetspot

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



75, 48.511, 149.543



97, 18.249, 152.611



78, 48.565, 117.832



51, 12.607, 152.434



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 48.511, 149.543



91, 68.617, 148.300



76, 32.668, 176.171



42, 6.156, 152.986



59, 77.424, 140.804



12, 24.862, 148.204

Inverse Universe

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



59, 48.901, 336.960



69, 68.747, 337.820



58, 38.861, 6.648



40, 6.184, 334.198



37, 67.714, 343.476



4, 23.046, 339.759

Previews

White Background



This preview shows how the CIELCh color 75, 48.510, 149.543 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 CIE LCh color 75, 48.510, 149.543 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 75, 48.510, 149.543

Background



This preview shows how black text looks on a background with the CIELCh color 75, 48.510, 149.543.

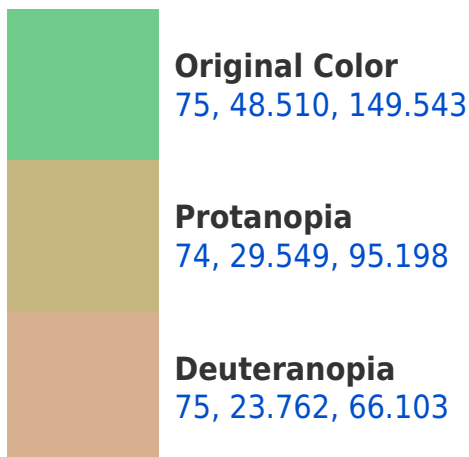


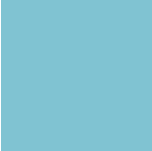
This preview shows how white text looks on a background with the CIELCh color 75, 48.510, 149.543.

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
75, 22.449, 219.284

Trichromacy



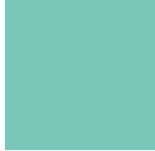
Original Color
75, 48.510, 149.543



Protanomaly
74, 32.821, 124.205



Deuteranomaly
74, 23.833, 116.577



Tritanomaly
75, 26.792, 180.889

Monochromacy



Original Color
75, 48.510, 149.543



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 18.381, 152.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 48.510, 149.543 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(112, 204, 138)` looks like.

```
.text, #text, p{  
    color:rgb(112, 204, 138)  
}
```

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(112, 204, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 204, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 48.510, 149.543 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(112, 204, 138) }
```

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

```
.border{ border-color:rgb(112, 204, 138) }
```

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

Here you see how a box with a 4 pixel rgb(112, 204, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 204, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 204, 138);  
box-shadow:4px 4px 4px 4px rgb(112, 204,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 48.510, 149.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 204, 138) }
```

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

```
.background{ background-color: rgb(112,  
204, 138) }
```

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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