

Converting Colors

CIELCh(74, 47.738, 154.918)

Have a look what the booklet for
CIELCh(74, 47.738, 154.918)
contains.

CIELCh(74, 48.003, 154.726)	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(74, 48.003, 154.726)

Conversions

Conversions Part 1

Format	Color
Hex	63CA8F
RGB	99, 202, 143
RGB Percent	39%, 79%, 56%
CMY	0.6130, 0.2091, 0.4403
CMYK	0.51, 0.00, 0.29, 0.21
HSL	146°, 49%, 59%
HSV	146°, 51%, 79%
XYZ	31.0945, 46.7039, 33.2473
YIQ	164.4770, -42.4490, -40.1850

Conversions

Conversions Part 2

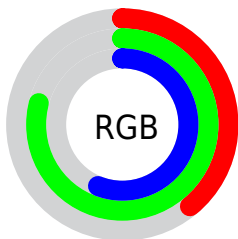
Format	Color
RYB	99, 171, 202
Decimal	6539919
CIELab	74.00, -43.41, 20.49
CIELCh	74, 48.003, 154.726
Yxy	46.7039, 0.2800, 0.4206
Android (android.graphics.Color)	4284729999 (0xFF63CA8F)
YUV	164.4770, -10.5882, -57.4233
Hunter-Lab	68.3403, -38.3789, 18.9938

Details

The CIELCh color **74, 48.003, 154.726** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 49.576, 344.859**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 45.373, 155.631**, and **54, 48.041, 154.553** is the 20% darker color. If you saturate the color by 10%, you get **73, 56.220, 153.237**, and if you desaturate by 10%, it is **75, 39.179, 156.031**.

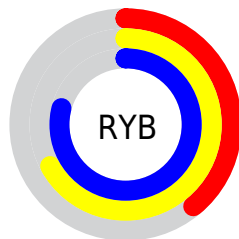
Distribution



Red (39%)

Green (79%)

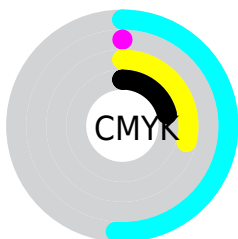
Blue (56%)



Red (39%)

Yellow (67%)

Blue (79%)

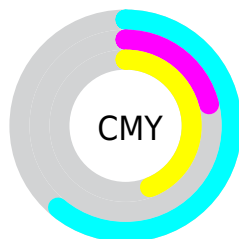


Cyan (51%)

Magenta (0%)

Yellow (29%)

Black (21%)



Cyan (61%)

Magenta (21%)

Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 48.003, 154.726 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 74, 48.003, 154.726 by changing the saturation by 10% instead.

 74, 48.003,
154.726

 74, 48.003,
154.726

 100, 48.003,
154.726


 64, 48.003,
154.726

 94, 48.003,
154.726

 54, 48.003,
154.726

 44, 48.003,
154.726

 34, 48.003,
154.726

 24, 48.003,
154.726

 14, 48.003,
154.726

 4, 48.003, 154.726

0, 48.003, 154.726

74, 48.003,
154.726

74, 48.003,
154.726

73, 56.220,
153.237

75, 39.179,
156.031

72, 63.678,
151.548

76, 29.913,
157.178

72, 70.269,
149.652

78, 20.371,
158.190

72, 75.950,
147.566

79, 10.700,
159.098

71, 80.365,
145.638

81, 1.025, 160.230

83, 8.558, 340.525

85, 17.975,

341.195

■ 87, 25.827,
339.015

■ 87, 30.034,
330.335

Harmonies

Complementary

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



74, 48.003, 154.726



56, 49.576, 344.859

Rectangle

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



74, 48.003, 154.726



74, 48.003, 204.726



74, 48.003, 334.726



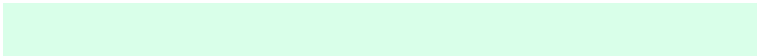
74, 48.003, 24.726

Sweetspot

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



74, 48.004, 154.726



97, 17.549, 158.732



76, 55.775, 123.643



51, 11.973, 158.538



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 48.004, 154.726



90, 67.804, 153.115



75, 32.365, 188.712



42, 5.531, 159.243



60, 68.951, 145.980



12, 22.621, 152.359

Inverse Universe

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



56, 49.576, 344.859



65, 69.589, 346.395



54, 44.161, 19.260



40, 5.582, 340.624



36, 62.679, 354.993



4, 20.748, 348.913

Previews

White Background



This preview shows how the CIELCh color 74, 48.003, 154.726 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 74, 48.003, 154.726 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 74, 48.003, 154.726

Background



This preview shows how black text looks on a background with the CIELCh color 74, 48.003, 154.726.

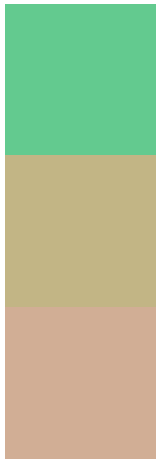


This preview shows how white text looks on a background with the CIELCh color 74, 48.003, 154.726.

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



Original Color
74, 48.003, 154.726

Protanopia
74, 26.316, 95.903

Deuteranopia
74, 19.764, 62.856



Tritanopia
74, 24.975, 218.260

Trichromacy



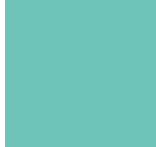
Original Color
74, 48.003, 154.726



Protanomaly
73, 30.276, 130.477



Deuteranomaly
73, 20.792, 124.710



Tritanomaly
74, 28.786, 185.182

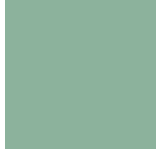
Monochromacy



Original Color
74, 48.003, 154.726



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 18.734, 157.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 48.003, 154.726 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, 202, 143)` looks like.

```
.text, #text, p{  
    color:rgb(99, 202, 143)  
}
```

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, 202, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 202, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 48.003, 154.726 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, 202, 143) }
```

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

```
.border{ border-color:rgb(99, 202, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 202, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 202, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 202, 143);  
box-shadow:4px 4px 4px 4px rgb(99, 202,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 48.003, 154.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 202, 143) }
```

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

```
.background{ background-color: rgb(99, 202,  
143) }
```

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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