

# Converting Colors

CIELCh(74, 52.142, 163.105)

Have a look what the booklet for  
CIELCh(74, 52.142, 163.105)  
contains.

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**Color**

**CIELCh(74, 52.008, 163.023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FCC98
RGB	63, 204, 152
RGB Percent	25%, 80%, 60%
CMY	0.7547, 0.1984, 0.4024
CMYK	0.69, 0.00, 0.25, 0.20
HSL	158°, 58%, 52%
HSV	158°, 69%, 80%
XYZ	29.4109, 46.7039, 37.3362
YIQ	155.9130, -67.3440, -46.0640

# Conversions

## Conversions Part 2

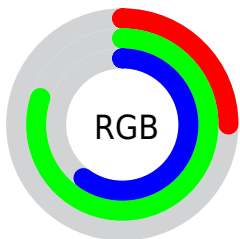
Format	Color
<a href="#">RYB</a>	63, 149, 204
Decimal	4181144
CIELab	74.00, -49.74, 15.19
CIElCh	74, 52.008, 163.023
Yxy	46.7039, 0.2592, 0.4117
Android (android.graphics.Color)	4282371224 (0xFF3FCC98)
YUV	155.9130, -1.9291, -81.4847
Hunter-Lab	68.3403, -42.7763, 15.4464

# Details

The CIELCh color **74, 52.008, 163.023** 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 **49, 59.518, 2.444**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 48.472, 164.918**, and **54, 48.322, 160.548** is the 20% darker color. If you saturate the color by 10%, you get **73, 57.087, 161.175**, and if you desaturate by 10%, it is **75, 46.111, 164.669**.

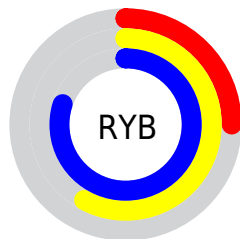
# Distribution



Red (25%)

Green (80%)

Blue (60%)



Red (25%)

Yellow (58%)

Blue (80%)

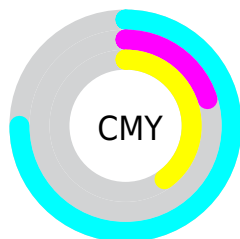


Cyan (69%)

Magenta (0%)

Yellow (25%)

Black (20%)



Cyan (75%)

Magenta (20%)


Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 52.008, 163.023 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, 52.008, 163.023 by changing the saturation by 10% instead.





 74, 52.008,  
163.023

 74, 52.008,  
163.023


 100, 52.008,  
163.023


 64, 52.008,  
163.023


 94, 52.008,  
163.023

 54, 52.008,  
163.023

 44, 52.008,  
163.023

 34, 52.008,  
163.023

 24, 52.008,  
163.023

 14, 52.008,  
163.023

 4, 52.008, 163.023

0, 52.008, 163.023

74, 52.008,  
163.023

74, 52.008,  
163.023

73, 57.087,  
161.175

75, 46.111,  
164.669

73, 61.341,  
159.119

76, 39.465,  
166.135

73, 64.912,  
156.909

77, 32.188,  
167.447

73, 65.118,  
156.781

78, 24.416,  
168.629

79, 16.291,  
169.706

81, 7.944, 170.712

■ 82, 0.510, 350.650

■ 84, 8.974, 352.343

■ 86, 17.376,  
353.154

# Harmonies

# Complementary

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



74, 52.008, 163.023



49, 59.518, 2.444

# Rectangle

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



74, 52.008, 163.023



74, 52.008, 213.023



74, 52.008, 343.023



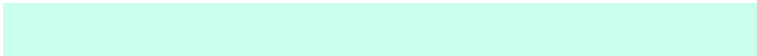
74, 52.008, 33.023

# Sweetspot

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



74, 52.008, 163.022



96, 21.059, 169.511



75, 77.832, 130.067



51, 14.214, 169.215



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, 52.008, 163.022



90, 69.900, 160.242



70, 33.926, 212.699



42, 4.783, 170.713



60, 55.357, 157.152



12, 18.778, 162.766



# Inverse Universe

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



49, 59.518, 2.444



56, 79.616, 7.614



51, 60.289, 36.054



40, 4.886, 352.318



35, 61.817, 14.393



4, 18.882, 1.400



# Previews

## White Background



This preview shows how the CIELCh color 74, 52.008, 163.023 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 74, 52.008, 163.023 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

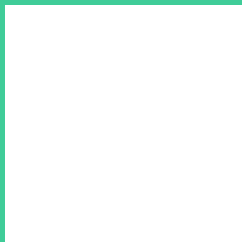
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 74, 52.008, 163.023**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 74, 52.008, 163.023.

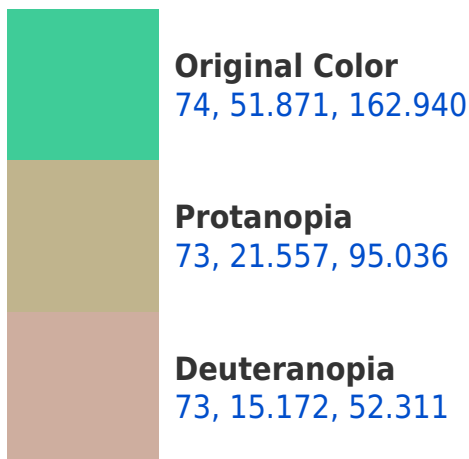


This preview shows how white text looks on a background with the CIELCh color 74, 52.008, 163.023.

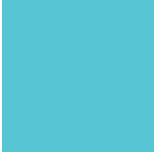
# Color Blindness Simulation

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**  
74, 31.639, 212.292

# Trichromacy



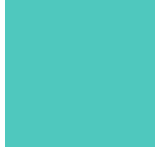
**Original Color**  
74, 51.871, 162.940



**Protanomaly**  
73, 29.181, 142.922



**Deuteranomaly**  
72, 19.282, 146.113



**Tritanomaly**  
74, 36.210, 188.041

# Monochromacy



**Original Color**  
74, 51.871, 162.940



**Achromatopsia**  
64, 0.008, 296.813



**Achromatomaly**  
67, 21.739, 168.697

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 52.008, 163.023 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(63, 204, 152)` looks like.

```
.text, #text, p{  
    color:rgb(63, 204, 152)  
}
```

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(63, 204, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 204, 152) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 52.008, 163.023 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(63, 204, 152) }
```

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

```
.border{ border-color:rgb(63, 204, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 204, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 204, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 204, 152);  
box-shadow:4px 4px 4px 4px rgb(63, 204,  
152) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 52.008, 163.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 204, 152) }
```

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

```
.background{ background-color: rgb(63, 204,  
152) }
```

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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