

Converting Colors

CIELCh(74, 53.077, 164.237)

Have a look what the booklet for
CIELCh(74, 53.077, 164.237)
contains.

CIELCh(74, 53.042, 164.345)	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, 53.042, 164.345)

Conversions

Conversions Part 1

Format	Color
Hex	34CD9A
RGB	52, 205, 154
RGB Percent	20%, 80%, 60%
CMY	0.7963, 0.1962, 0.3962
CMYK	0.75, 0.00, 0.25, 0.20
HSL	160°, 60%, 50%
HSV	160°, 75%, 80%
XYZ	29.0646, 46.7039, 38.0388
YIQ	153.4390, -74.8170, -48.2970

Conversions

Conversions Part 2

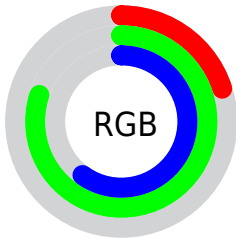
Format	Color
RYB	52, 144, 205
Decimal	3460506
CIELab	74.00, -51.07, 14.31
CIELCh	74, 53.042, 164.345
Yxy	46.7039, 0.2554, 0.4104
Android (android.graphics.Color)	4281650586 (0xFF34CD9A)
YUV	153.4390, 0.2766, -88.9620
Hunter-Lab	68.3403, -43.6809, 14.8369

Details

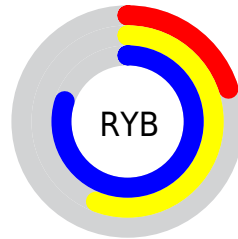
The CIELCh color **74, 53.042, 164.345** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **47, 62.717, 6.808**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 49.219, 166.748**, and **55, 48.046, 161.203** is the 20% darker color. If you saturate the color by 10%, you get **74, 57.389, 162.425**, and if you desaturate by 10%, it is **75, 47.858, 166.062**.

Distribution



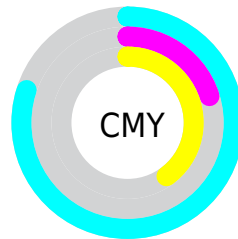
- Red (20%)
- Green (80%)
- Blue (60%)



- Red (20%)
- Yellow (56%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (25%)
- Black (20%)





- Cyan (80%)
- Magenta (20%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 53.042, 164.345 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, 53.042, 164.345 by changing the saturation by 10% instead.


 74, 53.042,
164.345


 74, 53.042,
164.345


 100, 53.042,
164.345


 64, 53.042,
164.345


 94, 53.042,
164.345

 54, 53.042,
164.345

 44, 53.042,
164.345

 34, 53.042,
164.345

 24, 53.042,
164.345

 14, 53.042,
164.345

 4, 53.042, 164.345

■ 0, 53.042, 164.345

■ 74, 53.042,
164.345

■ 74, 53.042,
164.345

■ 74, 57.389,
162.425

■ 75, 47.858,
166.062

■ 73, 60.940,
160.303

■ 75, 41.872,
167.594

■ 73, 62.636,
159.142

■ 76, 35.174,
168.966

■ 77, 27.887,
170.202

■ 79, 20.151,
171.327

■ 80, 12.102,
172.368

■ 82, 3.864, 173.398

■ 83, 4.456, 354.051

■ 85, 12.773,
354.948

Harmonies

Complementary

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



74, 53.042, 164.345



47, 62.717, 6.808

Rectangle

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



74, 53.042, 164.345



74, 53.042, 214.345



74, 53.042, 344.345



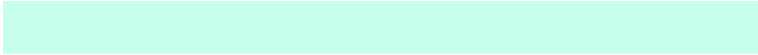
74, 53.042, 34.345

Sweetspot

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



74, 53.042, 164.344



96, 21.530, 171.581



74, 83.604, 131.425



51, 14.418, 171.288



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, 53.042, 164.344



89, 70.475, 161.070



68, 34.220, 221.720



42, 4.682, 172.897



60, 53.160, 159.510



12, 18.159, 164.985

Inverse Universe

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



47, 62.717, 6.808



55, 83.129, 13.837



50, 64.014, 39.810



40, 4.796, 354.518



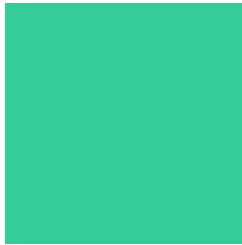
35, 62.478, 17.547



4, 18.703, 3.197

Previews

White Background



This preview shows how the CIELCh color 74, 53.042, 164.345 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, 53.042, 164.345 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

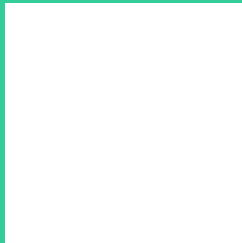
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 53.042, 164.345

Background



This preview shows how black text looks on a background with the CIELCh color 74, 53.042, 164.345.

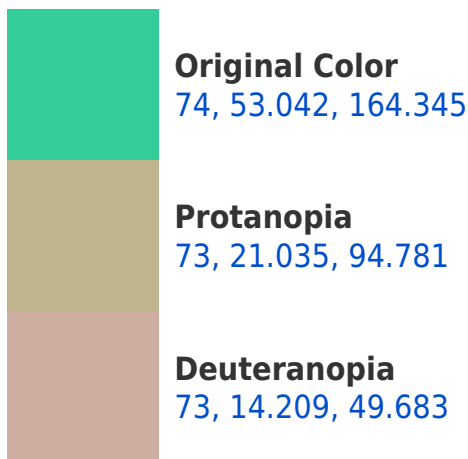


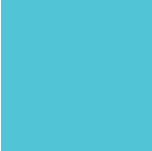
This preview shows how white text looks on a background with the CIELCh color 74, 53.042, 164.345.

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, 32.878, 212.638

Trichromacy



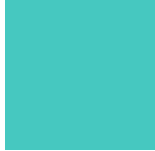
Original Color
74, 53.042, 164.345



Protanomaly
72, 29.625, 145.648



Deuteranomaly
72, 20.056, 150.956

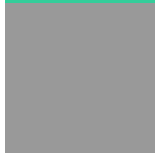


Tritanomaly
74, 37.358, 189.918

Monochromacy



Original Color
74, 53.042, 164.345



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 22.917, 170.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 53.042, 164.345 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(52, 205, 154)` looks like.

```
.text, #text, p{  
    color:rgb(52, 205, 154)  
}
```

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(52, 205, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 205, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 53.042, 164.345 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(52, 205, 154) }
```

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

```
.border{ border-color:rgb(52, 205, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 205, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 205, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 205, 154);  
box-shadow:4px 4px 4px 4px rgb(52, 205,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 53.042, 164.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 205, 154) }
```

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

```
.background{ background-color: rgb(52, 205,  
154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor