

Converting Colors

CIELCh(53, 14.200, 175.007)

Have a look what the booklet for
CIELCh(53, 14.200, 175.007)
contains.

CIELCh(53, 14.598, 174.533)	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(53, 14.598, 174.533)

Conversions

Conversions Part 1

Format	Color
Hex	63867C
RGB	99, 134, 124
RGB Percent	39%, 53%, 49%
CMY	0.6130, 0.4757, 0.5149
CMYK	0.26, 0.00, 0.07, 0.48
HSL	163°, 15%, 46%
HSV	163°, 26%, 52%
XYZ	17.2126, 21.0462, 22.1214
YIQ	122.3950, -17.6500, -10.5300

Conversions

Conversions Part 2

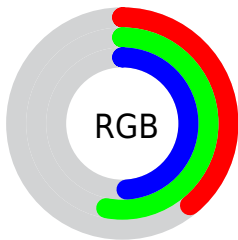
Format	Color
R_{YB}	99, 119, 134
Decimal	6522492
CIE _{Lab}	53.00, -14.53, 1.39
CIE _{LCh}	53, 14.598, 174.533
Y _{xy}	21.0462, 0.2851, 0.3486
Android (android.graphics.Color)	4284712572 (0xFF63867C)
YUV	122.3950, 0.7913, -20.5174
Hunter-Lab	45.8761, -13.3107, 3.5238

Details

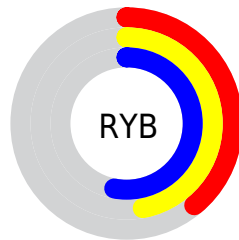
The CIELCh color $53, 14.598, 174.533$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $46, 15.782, 359.648$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 14.429, 173.789$, and $33, 14.509, 174.278$ is the 20% darker color. If you saturate the color by 10%, you get $52, 19.816, 173.456$, and if you desaturate by 10%, it is $54, 9.138, 175.533$.

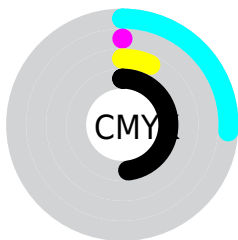
Distribution



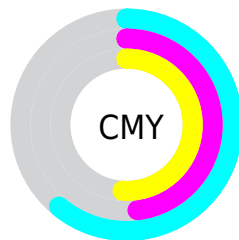
- Red (39%)
- Green (53%)
- Blue (49%)



- Red (39%)
- Yellow (47%)
- Blue (53%)



- Cyan (26%)
- Magenta (0%)
- Yellow (7%)
- Black (48%)





- Cyan (61%)
- Magenta (48%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 14.598, 174.533 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 53, 14.598, 174.533 by changing the saturation by 10% instead.


 53, 14.598,
174.533


 53, 14.598,
174.533


 100, 14.598,
174.533


 43, 14.598,
174.533


 73, 14.598,
174.533

 33, 14.598,
174.533

 83, 14.598,
174.533

 23, 14.598,
174.533

 93, 14.598,
174.533

 13, 14.598,
174.533

 3, 14.598, 174.533

 0, 14.598, 174.533

■ 53, 14.598,
174.533

■ 53, 14.598,
174.533

■ 52, 19.816,
173.456

■ 54, 9.138, 175.533

■ 51, 24.700,
172.289

■ 55, 3.516, 176.518

■ 51, 29.164,
171.007

■ 56, 2.196, 357.120

■ 50, 33.128,
169.589

■ 59, 13.659,
358.860

■ 50, 36.536,
168.011

■ 60, 19.327,
359.614

■ 50, 39.367,
166.256

■ 62, 24.913, 0.333

■ 49, 41.681,
164.342

■ 64, 30.400, 1.022

■ 49, 42.535,

■ 65, 35.775, 1.685

163.635

Harmonies

Complementary

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



53, 14.598, 174.533



46, 15.782, 359.648

Rectangle

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



53, 14.598, 174.533



53, 14.598, 224.533



53, 14.598, 354.533



53, 14.598, 44.533

Sweetspot

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



53, 14.599, 174.530



70, 5.628, 176.313



53, 22.495, 134.556



36, 3.979, 176.181



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 14.599, 174.530



67, 21.187, 173.948



51, 10.899, 220.547



27, 3.185, 176.220



48, 41.656, 163.697



1, 0.769, 176.969

Inverse Universe

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



46, 15.782, 359.648



56, 23.310, 0.376



47, 12.929, 39.177



26, 3.271, 357.728



26, 53.050, 20.542



0, 0.769, 356.956

Previews

White Background



This preview shows how the CIE LCh color 53, 14.598, 174.533 looks on a white background.

Color Contrast Check

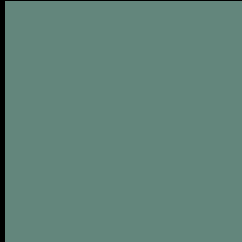
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 14.598, 174.533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

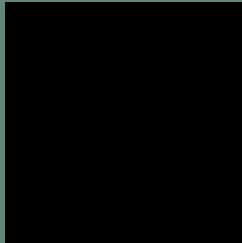
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 14.598, 174.533

Background



This preview shows how black text looks on a background with the CIELCh color 53, 14.598, 174.533.

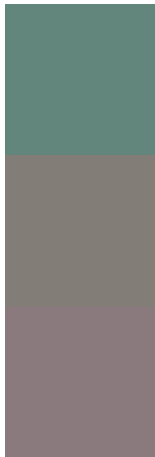


This preview shows how white text looks on a background with the CIELCh color 53, 14.598, 174.533.

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
53, 14.598, 174.533

Protanopia
53, 4.342, 87.564

Deuteranopia
53, 6.874, 0.547



Tritanopia
53, 12.002, 230.759

Trichromacy



Original Color
53, 14.598, 174.533

Protanomaly
53, 6.141, 150.087

Deuteranomaly
53, 0.985, 163.821

Tritanomaly
53, 11.454, 207.083

Monochromacy



Original Color
53, 14.598, 174.533

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 5.056, 178.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 14.598, 174.533 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, 134, 124)` looks like.

```
.text, #text, p{  
    color:rgb(99, 134, 124)  
}
```

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, 134, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 134, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 14.598, 174.533 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, 134, 124) }
```

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

```
.border{ border-color:rgb(99, 134, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 134, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 134, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 134, 124);  
box-shadow:4px 4px 4px 4px rgb(99, 134,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 14.598, 174.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 134, 124) }
```

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

```
.background{ background-color: rgb(99, 134,  
124) }
```

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