

Converting Colors

CIELCh(53, 21.786, 176.457)

Have a look what the booklet for
CIELCh(53, 21.786, 176.457)
contains.

CIELCh(53, 21.734, 176.911)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 21.734, 176.911)

Conversions

Conversions Part 1

Format	Color
Hex	51897C
RGB	81, 137, 124
RGB Percent	32%, 54%, 49%
CMY	0.6829, 0.4633, 0.5143
CMYK	0.41, 0.00, 0.09, 0.46
HSL	166°, 26%, 43%
HSV	166°, 41%, 54%
XYZ	15.9365, 21.0462, 22.2456
YIQ	118.7740, -29.2030, -15.9150

Conversions

Conversions Part 2

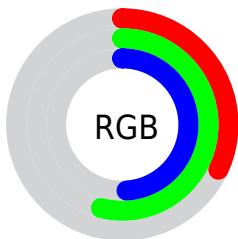
Format	Color
RYB	81, 113, 137
Decimal	5343612
CIELab	53.00, -21.70, 1.17
CIElCh	53, 21.734, 176.911
Yxy	21.0462, 0.2691, 0.3553
Android (android.graphics.Color)	4283533692 (0xFF51897C)
YUV	118.7740, 2.5764, -33.1278
Hunter-Lab	45.8761, -18.2757, 3.3633

Details

The CIELCh color **53, 21.734, 176.911** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **41, 25.300, 5.720**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 22.061, 175.958**, and **33, 21.867, 176.114** is the 20% darker color. If you saturate the color by 10%, you get **52, 26.231, 175.755**, and if you desaturate by 10%, it is **54, 16.827, 177.976**.

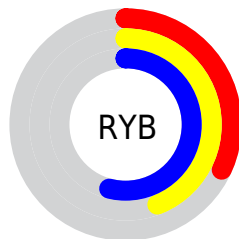
Distribution



Red (32%)

Green (54%)

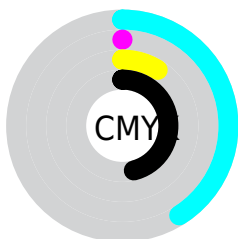
Blue (49%)



Red (32%)

Yellow (44%)

Blue (54%)

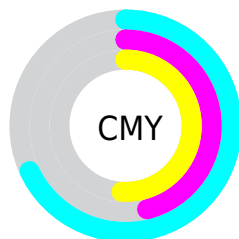


Cyan (41%)

Magenta (0%)

Yellow (9%)

Black (46%)



Cyan (68%)


Magenta (46%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 21.734, 176.911 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, 21.734, 176.911 by changing the saturation by 10% instead.


 53, 21.734,
176.911


 53, 21.734,
176.911


 100, 21.734,
176.911


 43, 21.734,
176.911


 73, 21.734,
176.911

 33, 21.734,
176.911

 83, 21.734,
176.911

 23, 21.734,
176.911

 93, 21.734,
176.911

 13, 21.734,
176.911

 3, 21.734, 176.911

 0, 21.734, 176.911

■ 53, 21.734,
176.911

■ 53, 21.734,
176.911

■ 52, 26.231,
175.755

■ 54, 16.827,
177.976

■ 52, 30.234,
174.494

■ 55, 11.598,
178.975

■ 51, 33.676,
173.104

■ 56, 6.135, 179.934

■ 57, 0.517, 181.486

■ 51, 36.522,
171.563

■ 58, 5.188, 1.520

■ 51, 38.773,
169.854

■ 60, 10.923, 2.362

■ 51, 40.496,
168.244

■ 61, 16.644, 3.146

■ 63, 22.315, 3.897

■ 64, 27.913, 4.618

Harmonies

Complementary

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



53, 21.734, 176.911



41, 25.300, 5.720

Rectangle

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



53, 21.734, 176.911



53, 21.734, 226.911



53, 21.734, 356.911



53, 21.734, 46.911

Sweetspot

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



53, 21.735, 176.909



71, 8.365, 179.805



53, 36.408, 135.691



37, 5.520, 179.703



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 21.735, 176.909



67, 31.446, 175.855



49, 16.222, 231.197



29, 3.193, 180.104



49, 39.544, 168.309



1, 1.498, 180.845

Inverse Universe

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



41, 25.300, 5.720



50, 37.950, 7.431



45, 21.142, 45.952



27, 3.297, 1.601



27, 55.334, 25.233



0, 1.499, 0.830

Previews

White Background



This preview shows how the CIELCh color 53, 21.734, 176.911 looks on a white background.

Color Contrast Check

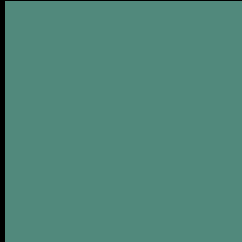
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.734, 176.911 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, 21.734, 176.911

Background



This preview shows how black text looks on a background with the CIELCh color 53, 21.734, 176.911.

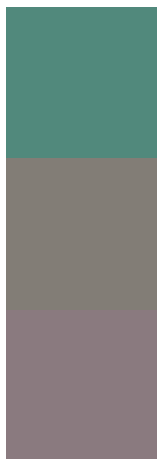


This preview shows how white text looks on a background with the CIELCh color 53, 21.734, 176.911.

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, 21.734, 176.911

Protanopia
53, 4.517, 82.702

Deuteranopia
53, 7.076, 356.126



Tritanopia
53, 17.229, 219.812

Trichromacy



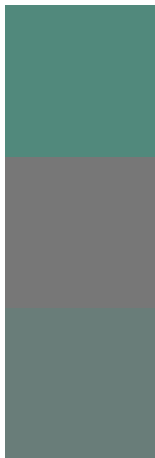
Original Color
53, 21.734, 176.911

Protanomaly
52, 8.568, 161.082

Deuteranomaly
52, 3.967, 190.664

Tritanomaly
53, 17.713, 201.468

Monochromacy



Original Color
53, 21.734, 176.911

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 8.161, 181.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 21.734, 176.911 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(81, 137, 124)` looks like.

```
.text, #text, p{  
    color:rgb(81, 137, 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(81, 137, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 137, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 21.734, 176.911 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(81, 137, 124) }
```

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

```
.border{ border-color:rgb(81, 137, 124) }
```

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

Here you see how a box with a 4 pixel rgb(81, 137, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 137, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 137, 124);  
box-shadow:4px 4px 4px 4px rgb(81, 137,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 21.734, 176.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 137, 124) }
```

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

```
.background{ background-color: rgb(81, 137,  
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