

Converting Colors

CIELCh(52, 21.821, 174.998)

Have a look what the booklet for
CIELCh(52, 21.821, 174.998)
contains.

CIELCh(52, 21.774, 175.190)	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(52, 21.774, 175.190)

Conversions

Conversions Part 1

Format	Color
Hex	4F8678
RGB	79, 134, 120
RGB Percent	31%, 53%, 47%
CMY	0.6893, 0.4736, 0.5286
CMYK	0.41, 0.00, 0.10, 0.47
HSL	165°, 26%, 42%
HSV	165°, 41%, 53%
XYZ	15.2015, 20.1443, 20.9249
YIQ	115.9590, -28.2860, -16.0140

Conversions

Conversions Part 2

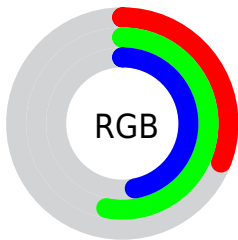
Format	Color
R_{YB}	79, 111, 134
Decimal	5211768
CIE _{Lab}	52.00, -21.70, 1.83
CIE _{LCh}	52, 21.774, 175.190
Yxy	20.1443, 0.2701, 0.3580
Android (android.graphics.Color)	4283401848 (0xFF4F8678)
YUV	115.9590, 1.9922, -32.4130
Hunter-Lab	44.8824, -18.0869, 3.7758

Details

The CIELCh color **52, 21.774, 175.190** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **40, 25.056, 4.044**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 21.537, 175.330**, and **32, 21.610, 175.696** is the 20% darker color. If you saturate the color by 10%, you get **51, 26.317, 174.004**, and if you desaturate by 10%, it is **53, 16.840, 176.279**.

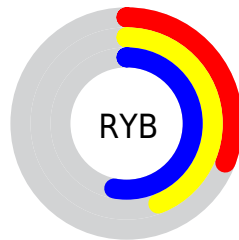
Distribution



Red (31%)

Green (53%)

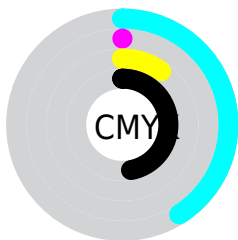
Blue (47%)



Red (31%)

Yellow (44%)

Blue (53%)

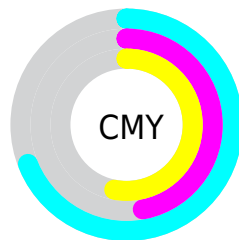


Cyan (41%)

Magenta (0%)

Yellow (10%)

Black (47%)



Cyan (69%)


Magenta (47%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 21.774, 175.190 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 52, 21.774, 175.190 by changing the saturation by 10% instead.


 52, 21.774,
175.190


 52, 21.774,
175.190


 100, 21.774,
175.190


 42, 21.774,
175.190


 72, 21.774,
175.190

 32, 21.774,
175.190

 82, 21.774,
175.190

 22, 21.774,
175.190

 92, 21.774,
175.190

 12, 21.774,
175.190

 2, 21.774, 175.190

 0, 21.774, 175.190

■ 52, 21.774,
175.190

■ 52, 21.774,
175.190

■ 51, 26.317,
174.004

■ 53, 16.840,
176.279

■ 51, 30.384,
172.704

■ 54, 11.602,
177.295

■ 50, 33.910,
171.267

■ 55, 6.146, 178.264

■ 50, 36.854,
169.671

■ 56, 0.550, 179.761

■ 57, 5.119, 359.863

■ 50, 39.218,
167.900

■ 58, 10.807, 0.704

■ 50, 41.048,
166.251

■ 60, 16.470, 1.485

■ 61, 22.076, 2.230

■ 63, 27.602, 2.946

Harmonies

Complementary

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



52, 21.774, 175.190



40, 25.056, 4.044

Rectangle

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



52, 21.774, 175.190



52, 21.774, 225.190



52, 21.774, 355.190



52, 21.774, 45.190

Sweetspot

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



52, 21.775, 175.188



69, 8.269, 178.141



52, 35.524, 134.747



36, 5.456, 178.040



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 21.775, 175.188



65, 31.271, 174.116



48, 16.041, 226.402



27, 3.131, 178.446



48, 40.082, 166.319



1, 0.757, 179.189

Inverse Universe

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



40, 25.056, 4.044



48, 37.172, 5.712



43, 21.163, 42.629



26, 3.225, 359.945



26, 53.856, 23.233



0, 0.757, 359.175

Previews

White Background



This preview shows how the CIELCh color 52, 21.774, 175.190 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 52, 21.774, 175.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

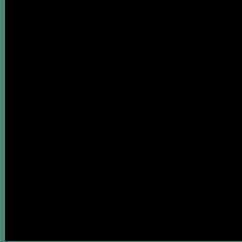
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 21.774, 175.190

Background



This preview shows how black text looks on a background with the CIELCh color 52, 21.774, 175.190.

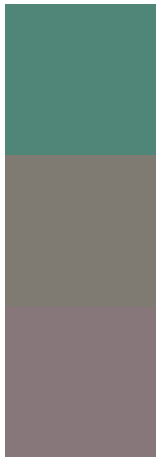


This preview shows how white text looks on a background with the CIELCh color 52, 21.774, 175.190.

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
52, 21.774, 175.190

Protanopia
52, 5.594, 87.824

Deuteranopia
52, 6.905, 0.571



Tritanopia
52, 16.705, 220.659

Trichromacy



Original Color
52, 21.774, 175.190

Protanomaly
52, 9.381, 155.569

Deuteranomaly
52, 4.343, 175.335

Tritanomaly
52, 17.140, 201.638

Monochromacy



Original Color
52, 21.774, 175.190

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 8.403, 178.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 21.774, 175.190 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(79, 134, 120)` looks like.

```
.text, #text, p{  
    color:rgb(79, 134, 120)  
}
```

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(79, 134, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 134, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 21.774, 175.190 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(79, 134, 120) }
```

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

```
.border{ border-color:rgb(79, 134, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 134, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 134, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 134, 120);  
box-shadow:4px 4px 4px 4px rgb(79, 134,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 21.774, 175.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 134, 120) }
```

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

```
.background{ background-color: rgb(79, 134,  
120) }
```

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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