

Converting Colors

CIELCh(52, 23.670, 176.846)

Have a look what the booklet for
CIELCh(52, 23.670, 176.846)
contains.

CIELCh(52, 23.670, 176.846)	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, 23.670, 176.846)

Conversions

Conversions Part 1

Format	Color
Hex	498779
RGB	73, 135, 121
RGB Percent	29%, 53%, 47%
CMY	0.7135, 0.4704, 0.5253
CMYK	0.46, 0.00, 0.10, 0.47
HSL	166°, 30%, 41%
HSV	166°, 46%, 53%
XYZ	14.8784, 20.1443, 21.2109
YIQ	114.8660, -32.4580, -17.4980

Conversions

Conversions Part 2

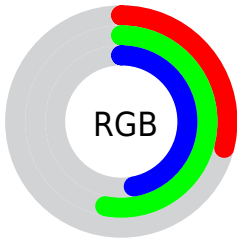
Format	Color
R_{YB}	73, 108, 135
Decimal	4818809
CIE _{Lab}	52.00, -23.63, 1.30
CIE _{LCh}	52, 23.670, 176.846
Y _{xy}	20.1443, 0.2646, 0.3582
Android (android.graphics.Color)	4283008889 (0xFF498779)
YUV	114.8660, 3.0241, -36.7165
Hunter-Lab	44.8824, -19.3720, 3.3979

Details

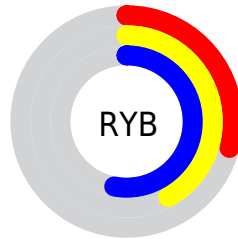
The CIELCh color **52, 23.670, 176.846** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **39, 28.202, 7.070**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 24.067, 176.219**, and **32, 23.602, 177.271** is the 20% darker color. If you saturate the color by 10%, you get **51, 27.854, 175.653**, and if you desaturate by 10%, it is **53, 19.036, 177.941**.

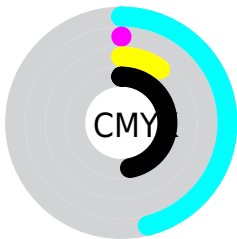
Distribution



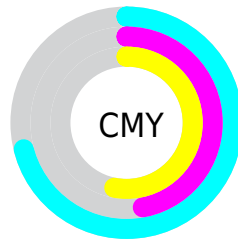
- Red (29%)
- Green (53%)
- Blue (47%)



- Red (29%)
- Yellow (42%)
- Blue (53%)



- Cyan (46%)
- Magenta (0%)
- Yellow (10%)
- Black (47%)




- Cyan (71%)
- Magenta (47%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 23.670, 176.846 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, 23.670, 176.846 by changing the saturation by 10% instead.


 52, 23.670,
176.846


 52, 23.670,
176.846


 100, 23.670,
176.846


 42, 23.670,
176.846


 72, 23.670,
176.846

 32, 23.670,
176.846

 82, 23.670,
176.846

 22, 23.670,
176.846

 92, 23.670,
176.846

 12, 23.670,
176.846

 2, 23.670, 176.846

 0, 23.670, 176.846

■ 52, 23.670,
176.846

■ 52, 23.670,
176.846

■ 51, 27.854,
175.653

■ 53, 19.036,
177.941

■ 51, 31.512,
174.348

■ 54, 14.037,
178.963

■ 50, 34.593,
172.905

■ 55, 8.760, 179.931

■ 50, 37.077,
171.304

■ 56, 3.289, 180.902

■ 57, 2.303, 1.480

■ 50, 39.025,
169.554

■ 58, 7.954, 2.414

■ 50, 39.782,
168.855

■ 60, 13.615, 3.221

■ 61, 19.247, 3.986

■ 63, 24.819, 4.722

Harmonies

Complementary

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



52, 23.670, 176.846



39, 28.202, 7.070

Rectangle

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



52, 23.670, 176.846



52, 23.670, 226.846



52, 23.670, 356.846



52, 23.670, 46.846

Sweetspot

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



52, 23.670, 176.844



70, 9.590, 180.082



52, 40.249, 135.389



37, 6.656, 179.901



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 23.670, 176.844



66, 33.968, 175.613



47, 17.665, 231.958



27, 3.085, 180.579



48, 38.670, 168.932



1, 0.747, 181.310

Inverse Universe

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



39, 28.202, 7.070



47, 42.159, 9.244



43, 23.918, 45.898



26, 3.186, 2.058



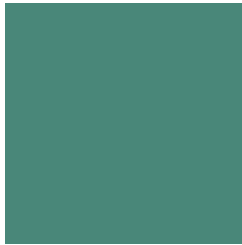
26, 54.713, 25.625



0, 0.747, 1.296

Previews

White Background



This preview shows how the CIELCh color 52, 23.670, 176.846 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, 23.670, 176.846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

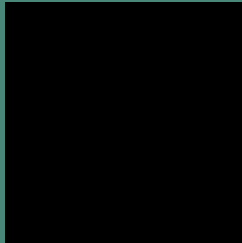
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 23.670, 176.846

Background



This preview shows how black text looks on a background with the CIELCh color 52, 23.670, 176.846.



This preview shows how white text looks on a background with the CIELCh color 52, 23.670, 176.846.

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, 23.670, 176.846

Protanopia
52, 5.594, 87.824

Deuteranopia
52, 7.107, 356.150



Tritanopia
52, 18.529, 218.146

Trichromacy



Original Color
52, 23.670, 176.846

Protanomaly
51, 9.582, 161.084

Deuteranomaly
51, 5.242, 186.059

Tritanomaly
52, 19.129, 201.045

Monochromacy



Original Color
52, 23.670, 176.846

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 9.119, 179.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 23.670, 176.846 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(73, 135, 121)` looks like.

```
.text, #text, p{  
    color:rgb(73, 135, 121)  
}
```

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(73, 135, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 135, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 23.670, 176.846 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(73, 135, 121) }
```

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

```
.border{ border-color:rgb(73, 135, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 135, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 135, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 135, 121);  
box-shadow:4px 4px 4px 4px rgb(73, 135,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 23.670, 176.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 135, 121) }
```

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

```
.background{ background-color: rgb(73, 135,  
121) }
```

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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