

Converting Colors

CIELCh(52, 16.789, 188.812)

Have a look what the booklet for
CIELCh(52, 16.789, 188.812)
contains.

CIELCh(52, 16.533, 189.595)	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, 16.533, 189.595)

Conversions

Conversions Part 1

Format	Color
Hex	578480
RGB	87, 132, 128
RGB Percent	34%, 52%, 50%
CMY	0.6582, 0.4817, 0.4974
CMYK	0.34, 0.00, 0.03, 0.48
HSL	175°, 21%, 43%
HSV	175°, 34%, 52%
XYZ	16.1263, 20.1443, 23.5170
YIQ	118.0890, -25.5360, -10.7840

Conversions

Conversions Part 2

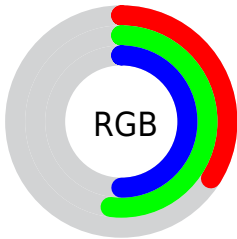
Format	Color
RYB	87, 111, 132
Decimal	5735552
CIELab	52.00, -16.30, -2.76
CIELCh	52, 16.533, 189.595
Yxy	20.1443, 0.2697, 0.3369
Android (android.graphics.Color)	4283925632 (0xFF578480)
YUV	118.0890, 4.8861, -27.2651
Hunter-Lab	44.8824, -14.4090, 0.3515

Details

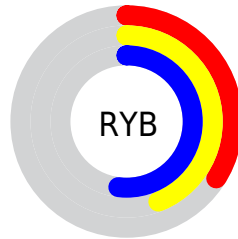
The CIELCh color `52, 16.533, 189.595` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `42, 19.943, 15.494`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 16.295, 190.398`, and `32, 16.287, 190.340` is the 20% darker color. If you saturate the color by 10%, you get `51, 20.613, 188.840`, and if you desaturate by 10%, it is `53, 12.037, 190.337`.

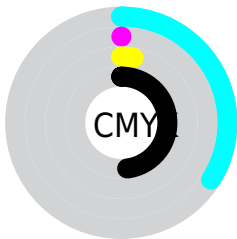
Distribution



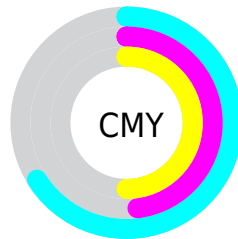
- Red (34%)
- Green (52%)
- Blue (50%)



- Red (34%)
- Yellow (44%)
- Blue (52%)



- Cyan (34%)
- Magenta (0%)
- Yellow (3%)
- Black (48%)





- Cyan (66%)
- Magenta (48%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 16.533, 189.595 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, 16.533, 189.595 by changing the saturation by 10% instead.


 52, 16.533,
189.595


 52, 16.533,
189.595


 100, 16.533,
189.595


 42, 16.533,
189.595


 72, 16.533,
189.595

 32, 16.533,
189.595

 82, 16.533,
189.595

 22, 16.533,
189.595

 92, 16.533,
189.595

 12, 16.533,
189.595

 2, 16.533, 189.595

 0, 16.533, 189.595

■ 52, 16.533,
189.595

■ 52, 16.533,
189.595

■ 51, 20.613,
188.840

■ 53, 12.037,
190.337

■ 51, 24.198,
188.072

■ 54, 7.205, 191.087

■ 55, 2.116, 191.943

■ 50, 27.224,
187.277

■ 56, 3.156, 12.349

■ 50, 29.646,
186.442

■ 57, 8.551, 13.142

■ 50, 31.452,
185.551

■ 58, 14.015, 13.868

■ 60, 19.506, 14.576

■ 49, 32.676,
184.591

■ 61, 24.992, 15.271

■ 49, 33.295,
184.020

■ 63, 30.446, 15.953

Harmonies

Complementary

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



52, 16.533, 189.595



42, 19.943, 15.494

Rectangle

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



52, 16.533, 189.595



52, 16.533, 239.595



52, 16.533, 9.595



52, 16.533, 59.595

Sweetspot

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



52, 16.533, 189.592



69, 6.373, 191.385



51, 30.812, 139.694



36, 4.372, 191.290



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, 16.533, 189.592



65, 23.864, 189.002



47, 14.030, 248.576



27, 2.928, 191.473



49, 32.903, 184.038



1, 0.714, 192.063

Inverse Universe

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



42, 19.943, 15.494



51, 30.231, 16.721



47, 16.307, 60.609



26, 3.067, 12.687



26, 59.491, 34.862



0, 0.714, 12.047

Previews

White Background



This preview shows how the CIELCh color 52, 16.533, 189.595 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, 16.533, 189.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

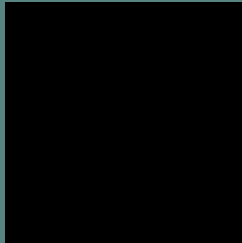
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 16.533, 189.595

Background



This preview shows how black text looks on a background with the CIELCh color 52, 16.533, 189.595.



This preview shows how white text looks on a background with the CIELCh color 52, 16.533, 189.595.

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, 16.533, 189.595

Protanopia
52, 1.204, 19.217

Deuteranopia
52, 7.998, 327.247



Tritanopia
52, 15.081, 223.424

Trichromacy



Original Color
52, 16.533, 189.595

Protanomaly
52, 5.488, 192.792

Deuteranomaly
52, 4.607, 248.615

Tritanomaly
52, 15.029, 209.205

Monochromacy



Original Color
52, 16.533, 189.595

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.261, 193.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 16.533, 189.595 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(87, 132, 128)` looks like.

```
.text, #text, p{  
    color:rgb(87, 132, 128)  
}
```

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(87, 132, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 132, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 16.533, 189.595 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(87, 132, 128) }
```

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

```
.border{ border-color:rgb(87, 132, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 132, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 132, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 132, 128);  
box-shadow:4px 4px 4px 4px rgb(87, 132,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 16.533, 189.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 132, 128) }
```

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

```
.background{ background-color: rgb(87, 132,  
128) }
```

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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