

Converting Colors

CIELCh(52, 19.536, 206.484)

Have a look what the booklet for
CIELCh(52, 19.536, 206.484)
contains.

CIELCh(52, 19.554, 206.161)	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, 19.554, 206.161)

Conversions

Conversions Part 1

Format	Color
Hex	4B858A
RGB	75, 133, 138
RGB Percent	29%, 52%, 54%
CMY	0.7054, 0.4780, 0.4584
CMYK	0.46, 0.04, 0.00, 0.46
HSL	185°, 30%, 42%
HSV	185°, 46%, 54%
XYZ	15.9090, 20.1443, 27.1369
YIQ	116.2280, -36.1730, -10.7410

Conversions

Conversions Part 2

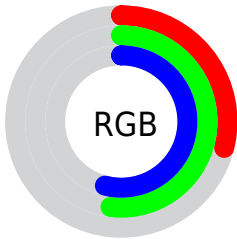
Format	Color
R _Y B	75, 105, 138
Decimal	4949386
CIE Lab	52.00, -17.55, -8.62
CIE LCh	52, 19.554, 206.161
Yxy	20.1443, 0.2518, 0.3188
Android (android.graphics.Color)	4283139466 (0xFF4B858A)
YUV	116.2280, 10.7336, -36.1570
Hunter-Lab	44.8824, -15.2734, -4.4304

Details

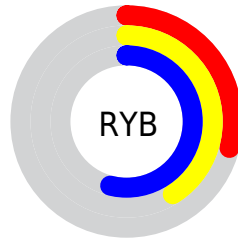
The CIELCh color **52, 19.554, 206.161** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **41, 27.246, 29.546**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 19.424, 206.073**, and **32, 19.500, 206.314** is the 20% darker color. If you saturate the color by 10%, you get **51, 22.590, 206.392**, and if you desaturate by 10%, it is **53, 15.981, 206.072**.

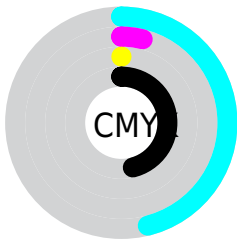
Distribution



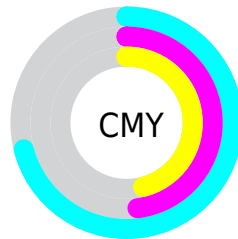
- Red (29%)
- Green (52%)
- Blue (54%)



- Red (29%)
- Yellow (41%)
- Blue (54%)



- Cyan (46%)
- Magenta (4%)
- Yellow (0%)
- Black (46%)





- Cyan (71%)
- Magenta (48%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 19.554, 206.161 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, 19.554, 206.161 by changing the saturation by 10% instead.


 52, 19.554,
206.161


 52, 19.554,
206.161


 100, 19.554,
206.161


 42, 19.554,
206.161


 72, 19.554,
206.161

 32, 19.554,
206.161

 82, 19.554,
206.161

 22, 19.554,
206.161

 92, 19.554,
206.161

 12, 19.554,
206.161

 2, 19.554, 206.161

 0, 19.554, 206.161

■ 52, 19.554,
206.161

■ 52, 19.554,
206.161

■ 51, 22.590,
206.392

■ 53, 15.981,
206.072

■ 50, 25.032,
206.796

■ 54, 11.942,
206.111

■ 50, 26.844,
207.400

■ 55, 7.514, 206.262

■ 49, 28.024,
208.227

■ 57, 2.772, 206.568

■ 58, 2.214, 26.497

■ 49, 28.635,
209.288

■ 60, 7.384, 26.953

■ 48, 28.846,
209.774

■ 61, 12.684, 27.336

■ 63, 18.072, 27.731

■ 65, 23.513, 28.140

Harmonies

Complementary

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



52, 19.554, 206.161



41, 27.246, 29.546

Rectangle

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



52, 19.554, 206.161



52, 19.554, 256.161



52, 19.554, 26.161



52, 19.554, 76.161

Sweetspot

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



52, 19.554, 206.159



70, 8.339, 206.290



52, 41.810, 142.740



36, 5.704, 206.250



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, 19.554, 206.159



65, 27.457, 206.409



43, 22.858, 270.265



28, 2.757, 206.427



46, 28.015, 209.717



1, 1.310, 206.578

Inverse Universe

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



41, 41.315, 329.167



50, 60.050, 329.713



49, 24.617, 76.436



27, 5.154, 327.134



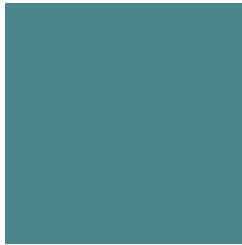
30, 66.936, 331.565



0, 2.378, 326.652

Previews

White Background



This preview shows how the CIELCh color 52, 19.554, 206.161 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 CIELCh color 52, 19.554, 206.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

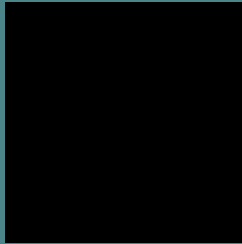
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 19.554, 206.161

Background



This preview shows how black text looks on a background with the CIELCh color 52, 19.554, 206.161.



This preview shows how white text looks on a background with the CIELCh color 52, 19.554, 206.161.

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, 19.554, 206.161

Protanopia

52, 5.234, 290.847

Deuteranopia

52, 12.561, 303.882



Tritanopia
52, 19.033, 217.543

Trichromacy



Original Color
52, 19.554, 206.161

Protanomaly
52, 8.704, 226.714

Deuteranomaly
52, 10.552, 255.123

Tritanomaly
52, 19.125, 213.691

Monochromacy



Original Color
52, 19.554, 206.161

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 8.052, 207.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 19.554, 206.161 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(75, 133, 138)` looks like.

```
.text, #text, p{  
    color:rgb(75, 133, 138)  
}
```

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(75, 133, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 133, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 19.554, 206.161 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(75, 133, 138) }
```

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

```
.border{ border-color:rgb(75, 133, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 133, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 133, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 133, 138);  
box-shadow:4px 4px 4px 4px rgb(75, 133,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 19.554, 206.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 133, 138) }
```

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

```
.background{ background-color: rgb(75, 133,  
138) }
```

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