

Converting Colors

CIELCh(52, 13.303, 198.574)

Have a look what the booklet for
CIELCh(52, 13.303, 198.574)
contains.

CIELCh(52, 13.519, 198.052)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 13.519, 198.052)

Conversions

Conversions Part 1

Format	Color
Hex	5E8383
RGB	94, 131, 131
RGB Percent	37%, 51%, 51%
CMY	0.6325, 0.4875, 0.4875
CMYK	0.28, 0.00, 0.00, 0.49
HSL	180°, 16%, 44%
HSV	180°, 28%, 51%
XYZ	16.7365, 20.1443, 24.3700
YIQ	119.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

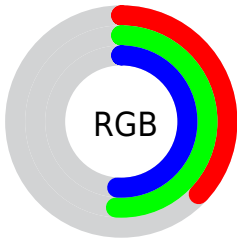
Format	Color
R _Y B	94, 113, 131
Decimal	6194051
CIE Lab	52.00, -12.85, -4.19
CIE LCh	52, 13.519, 198.052
Yxy	20.1443, 0.2732, 0.3289
Android (android.graphics.Color)	4284384131 (0xFF5E8383)
YUV	119.9370, 5.4541, -22.7467
Hunter-Lab	44.8824, -11.9822, -0.7752

Details

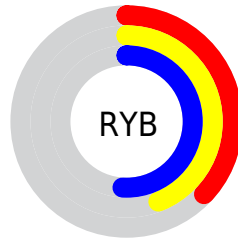
The CIELCh color `52, 13.519, 198.052` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `44, 16.255, 21.584`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 13.355, 198.374`, and `32, 13.541, 197.517` is the 20% darker color. If you saturate the color by 10%, you get `51, 17.593, 197.636`, and if you desaturate by 10%, it is `53, 9.032, 198.516`.

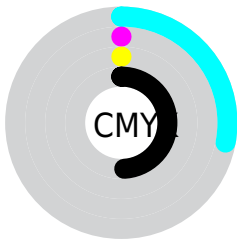
Distribution



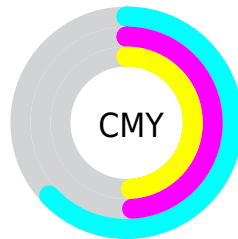
- Red (37%)
- Green (51%)
- Blue (51%)



- Red (37%)
- Yellow (44%)
- Blue (51%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (49%)





- Cyan (63%)
- Magenta (49%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 13.519, 198.052 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, 13.519, 198.052 by changing the saturation by 10% instead.


 52, 13.519,
198.052


 52, 13.519,
198.052


 100, 13.519,
198.052


 42, 13.519,
198.052


 72, 13.519,
198.052

 32, 13.519,
198.052

 82, 13.519,
198.052

 22, 13.519,
198.052

 92, 13.519,
198.052

 12, 13.519,
198.052

 2, 13.519, 198.052

 0, 13.519, 198.052

■ 52, 13.519,
198.052

■ 52, 13.519,
198.052

■ 51, 17.593,
197.636

■ 53, 9.032, 198.516

■ 51, 21.177,
197.281

■ 54, 4.208, 199.062

■ 55, 0.879, 19.037

■ 50, 24.208,
196.985

■ 56, 6.160, 19.988

■ 50, 26.640,
196.751

■ 57, 11.577, 20.597

■ 59, 17.079, 21.200

■ 50, 28.451,
196.579

■ 60, 22.626, 21.807

■ 49, 29.656,
196.465

■ 62, 28.185, 22.414

■ 63, 33.733, 23.020

■ 49, 30.399,
196.395

■ 49, 30.518,

Harmonies

Complementary

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



52, 13.519, 198.052



44, 16.255, 21.584

Rectangle

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



52, 13.519, 198.052



52, 13.519, 248.052



52, 13.519, 18.052



52, 13.519, 68.052

Sweetspot

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



52, 13.519, 198.048



69, 5.047, 199.070



51, 26.103, 142.185



36, 3.603, 198.988



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, 13.519, 198.048



66, 19.723, 197.774



47, 12.452, 257.719



28, 2.886, 199.011



49, 30.410, 196.384



1, 0.707, 199.420

Inverse Universe

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



44, 16.255, 21.584



54, 24.873, 22.356



48, 13.521, 70.278



26, 3.050, 19.878



26, 62.118, 38.507



0, 0.707, 19.403

Previews

White Background



This preview shows how the CIELCh color 52, 13.519, 198.052 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, 13.519, 198.052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

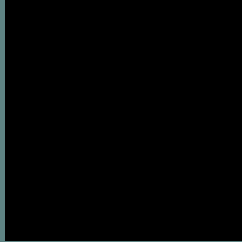
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 13.519, 198.052

Background



This preview shows how black text looks on a background with the CIELCh color 52, 13.519, 198.052.



This preview shows how white text looks on a background with the CIELCh color 52, 13.519, 198.052.

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, 13.519, 198.052

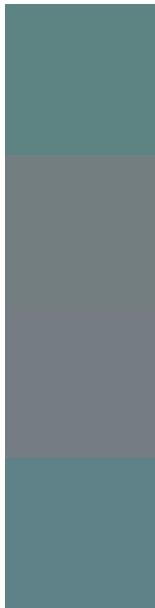
Protanopia
52, 1.930, 314.700

Deuteranopia
52, 8.748, 320.587



Tritanopia
52, 13.140, 227.677

Trichromacy



Original Color
52, 13.519, 198.052

Protanomaly
52, 4.758, 213.181

Deuteranomaly
52, 5.320, 260.457

Tritanomaly
52, 13.046, 216.511

Monochromacy



Original Color
52, 13.519, 198.052

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 5.440, 198.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 13.519, 198.052 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(94, 131, 131)` looks like.

```
.text, #text, p{  
    color:rgb(94, 131, 131)  
}
```

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(94, 131, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 131, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 13.519, 198.052 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(94, 131, 131) }
```

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

```
.border{ border-color:rgb(94, 131, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 131, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 131, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 131, 131);  
box-shadow:4px 4px 4px 4px rgb(94, 131,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 13.519, 198.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 131, 131) }
```

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

```
.background{ background-color: rgb(94, 131,  
131) }
```

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