

Converting Colors

CIELCh(52, 1.220, 17.961)

Have a look what the booklet for
CIELCh(52, 1.220, 17.961) contains.

CIELCh(52, 1.204, 19.217)	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, 1.204, 19.217)

Conversions

Conversions Part 1

Format	Color
Hex	7E7B7B
RGB	126, 123, 123
RGB Percent	49%, 48%, 48%
CMY	0.5046, 0.5164, 0.5164
CMYK	0.00, 0.02, 0.02, 0.50
HSL	0°, 1%, 49%
HSV	0°, 2%, 50%
XYZ	19.3702, 20.1443, 21.7121
YIQ	123.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

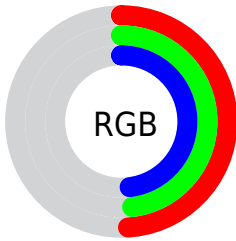
Format	Color
R_{YB}	126, 123, 123
Decimal	8289147
CIE _{Lab}	52.00, 1.14, 0.40
CIE _{LCh}	52, 1.204, 19.217
Yxy	20.1443, 0.3164, 0.3290
Android (android.graphics.Color)	4286479227 (0xFF7E7B7B)
YUV	123.8970, -0.4422, 1.8443
Hunter-Lab	44.8824, -1.5077, 2.7359

Details

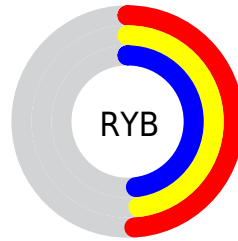
The CIELCh color **52, 1.204, 19.217** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **53, 1.185, 199.675**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 1.505, 19.201**, and **32, 1.319, 19.406** is the 20% darker color. If you saturate the color by 10%, you get **48, 6.506, 20.185**, and if you desaturate by 10%, it is **56, 3.715, 199.207**.

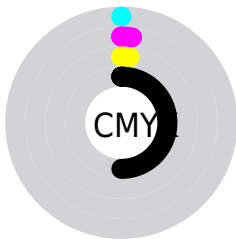
Distribution



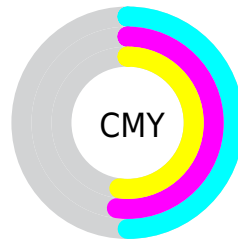
- Red (49%)
- Green (48%)
- Blue (48%)



- Red (49%)
- Yellow (48%)
- Blue (48%)



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (50%)



- Cyan (50%)
- Magenta (52%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 1.204, 19.217 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, 1.204, 19.217 by changing the saturation by 10% instead.

 52, 1.204, 19.217  52, 1.204, 19.217

100, 1.204, 19.217  42, 1.204, 19.217

 72, 1.204, 19.217  32, 1.204, 19.217

 82, 1.204, 19.217  22, 1.204, 19.217

 92, 1.204, 19.217  12, 1.204, 19.217

 2, 1.204, 19.217

 0, 1.204, 19.217

 52, 1.204, 19.217  52, 1.204, 19.217

 48, 6.506, 20.185  56, 3.715, 199.207

 44, 12.215, 21.032  60, 8.279, 198.745

41, 18.328, 22.096

64, 12.526,
198.405

37, 24.813, 23.467

68, 16.491,
198.134

34, 31.584, 25.239

31, 38.499, 27.507

72, 20.207,
197.913

29, 45.355, 30.334

76, 23.705,
197.731

27, 51.869, 33.644

26, 57.322, 36.732

80, 27.012,
197.579

84, 30.151,
197.452

88, 33.142,
197.345

Harmonies

Complementary

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



52, 1.204, 19.217



53, 1.185, 199.675

Rectangle

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



52, 1.204, 19.217



52, 1.204, 69.217



52, 1.204, 199.217



52, 1.204, 249.217

Sweetspot

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



52, 1.203, 19.279



67, 0.622, 18.767



52, 2.128, 324.480



34, 0.352, 18.703



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



52, 1.203, 19.279



66, 1.878, 19.393



52, 1.046, 74.895



26, 1.156, 19.466



25, 61.090, 38.362



0, 0.000, 0.000

Inverse Universe

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



53, 1.185, 199.675



67, 1.842, 199.564



52, 1.050, 255.946



27, 1.130, 199.494



48, 29.946, 196.500



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 52, 1.204, 19.217 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, 1.204, 19.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

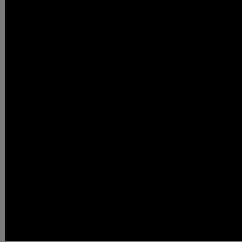
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

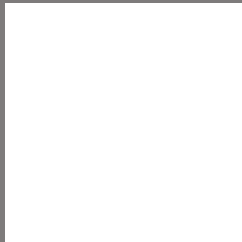
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 1.204, 19.217

Background



This preview shows how black text looks on a background with the CIELCh color 52, 1.204, 19.217.



This preview shows how white text looks on a background with the CIELCh color 52, 1.204, 19.217.

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, 1.204, 19.217

Protanopia

52, 1.204, 19.217

Deuteranopia

52, 6.895, 0.563



Tritanopia
52, 6.300, 312.769

Trichromacy



Original Color

52, 1.204, 19.217

Protanomaly

52, 1.204, 19.217

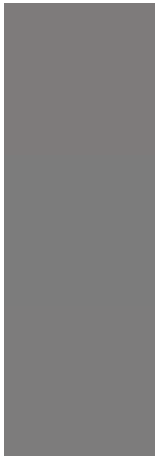
Deuteranomaly

52, 4.778, 358.562

Tritanomaly

52, 4.548, 316.372

Monochromacy



Original Color

52, 1.204, 19.217

Achromatopsia

52, 0.007, 296.813

Achromatomaly

52, 0.400, 18.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 1.204, 19.217 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(126, 123, 123)` looks like.

```
.text, #text, p{  
    color:rgb(126, 123, 123)  
}
```

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(126, 123, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 123, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 1.204, 19.217 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(126, 123, 123) }
```

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

```
.border{ border-color:rgb(126, 123, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 123, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 123, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 123, 123);  
box-shadow:4px 4px 4px 4px rgb(126, 123,  
123) }
```

Background

The CSS property to change the background color of an element to CIE LCh 52, 1.204, 19.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 123, 123) }
```

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

```
.background{ background-color: rgb(126,  
123, 123) }
```

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