

Converting Colors

CIELCh(52, 6.040, 20.019)

Have a look what the booklet for
CIELCh(52, 6.040, 20.019) contains.

CIELCh(52, 5.719, 19.976)	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, 5.719, 19.976)

Conversions

Conversions Part 1

Format	Color
Hex	877979
RGB	135, 121, 121
RGB Percent	53%, 47%, 47%
CMY	0.4713, 0.5262, 0.5262
CMYK	0.00, 0.10, 0.10, 0.47
HSL	0°, 6%, 50%
HSV	0°, 10%, 53%
XYZ	20.2193, 20.1443, 20.8554
YIQ	125.1860, 8.3440, 2.9680

Conversions

Conversions Part 2

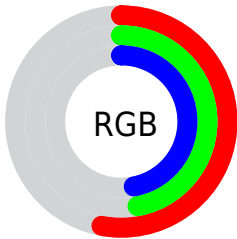
Format	Color
R_{YB}	135, 121, 121
Decimal	8878457
CIE Lab	52.00, 5.37, 1.95
CIE LCh	52, 5.719, 19.976
Yxy	20.1443, 0.3303, 0.3291
Android (android.graphics.Color)	4287068537 (0xFF877979)
YUV	125.1860, -2.0637, 8.6069
Hunter-Lab	44.8824, 1.8692, 3.8676

Details

The CIELCh color $52, 5.719, 19.976$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 5.367, 198.952$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 5.718, 19.809$, and $32, 5.861, 14.155$ is the 20% darker color. If you saturate the color by 10%, you get $48, 11.661, 20.814$, and if you desaturate by 10%, it is $56, 0.203, 17.413$.

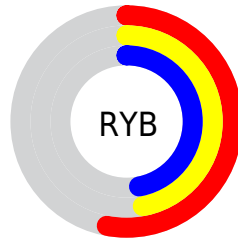
Distribution



Red (53%)

Green (47%)

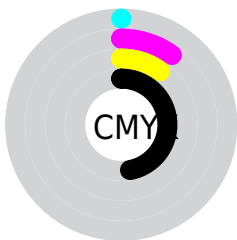
Blue (47%)



Red (53%)

Yellow (47%)

Blue (47%)

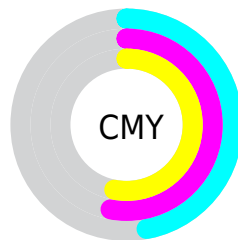


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (47%)



Cyan (47%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 5.719, 19.976 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, 5.719, 19.976 by changing the saturation by 10% instead.

■ 52, 5.719, 19.976 ■ 52, 5.719, 19.976

■ 100, 5.719, 19.976 ■ 42, 5.719, 19.976

■ 72, 5.719, 19.976 ■ 32, 5.719, 19.976

■ 82, 5.719, 19.976 ■ 22, 5.719, 19.976

■ 92, 5.719, 19.976 ■ 12, 5.719, 19.976

■ 2, 5.719, 19.976

■ 0, 5.719, 19.976

■ 52, 5.719, 19.976 ■ 52, 5.719, 19.976

■ 48, 11.661, 20.814 ■ 56, 0.203, 17.413

■ 44, 18.036, 21.841 ■ 60, 4.909, 199.043

40, 24.814, 23.163

64, 9.654, 198.613

37, 31.915, 24.873

69, 14.069,
198.286

34, 39.199, 27.072

73, 18.192,
198.024

31, 46.457, 29.834

29, 53.405, 33.114

77, 22.060,
197.810

28, 59.542, 36.531

81, 25.702,
197.634

27, 64.000, 38.784

85, 29.148,
197.487

89, 32.421,
197.363

Harmonies

Complementary

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



52, 5.719, 19.976



55, 5.367, 198.952

Rectangle

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



52, 5.719, 19.976



52, 5.719, 69.976



52, 5.719, 199.976



52, 5.719, 249.976

Sweetspot

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



52, 5.718, 19.990



70, 1.998, 19.346



52, 9.844, 324.971



37, 1.531, 19.440



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, 5.718, 19.990



66, 8.275, 20.136



54, 4.922, 74.145



26, 3.049, 19.893



26, 62.117, 38.511



0, 0.707, 19.419

Inverse Universe

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



55, 5.367, 198.952



70, 7.674, 198.845



53, 4.807, 256.785



28, 2.885, 199.027



49, 30.402, 196.411



1, 0.707, 199.436

Previews

White Background



This preview shows how the CIELCh color 52, 5.719, 19.976 looks on a white background.

Color Contrast Check

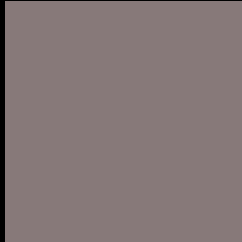
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.719, 19.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

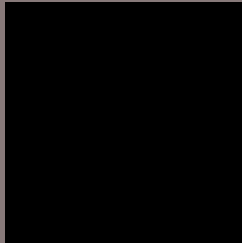
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 5.719, 19.976

Background



This preview shows how black text looks on a background with the CIELCh color 52, 5.719, 19.976.



This preview shows how white text looks on a background with the CIELCh color 52, 5.719, 19.976.

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, 5.719, 19.976

Protanopia

52, 1.706, 39.172

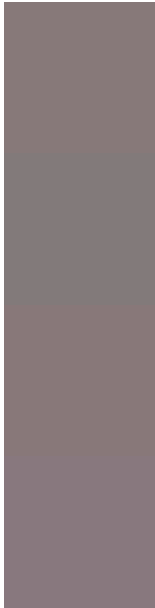
Deuteranopia

52, 6.984, 15.409



Tritanopia
52, 8.276, 341.297

Trichromacy



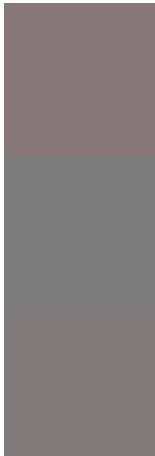
Original Color
52, 5.719, 19.976

Protanomaly
52, 3.238, 19.644

Deuteranomaly
52, 6.569, 15.055

Tritanomaly
52, 7.340, 351.993

Monochromacy



Original Color
52, 5.719, 19.976

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 2.418, 19.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 5.719, 19.976 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(135, 121, 121)` looks like.

```
.text, #text, p{  
    color:rgb(135, 121, 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(135, 121, 121) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 52, 5.719, 19.976 is called "border". The border property can be set on classes, ids or directly on the HTML element.

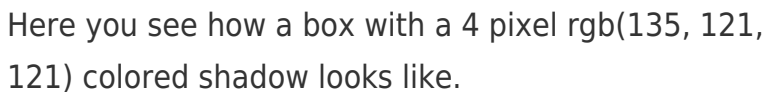
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 121, 121) }
```

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

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

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



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

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

Background

The CSS property to change the background color of an element to CIELCh 52, 5.719, 19.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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