

Converting Colors

CIELCh(52, 1.480, 199.657)

Have a look what the booklet for
CIELCh(52, 1.480, 199.657) contains.

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Color

CIELCh(52, 1.581, 199.482)

Conversions

Conversions Part 1

Format	Color
Hex	797D7D
RGB	121, 125, 125
RGB Percent	47%, 49%, 49%
CMY	0.5262, 0.5106, 0.5106
CMYK	0.03, 0.00, 0.00, 0.51
HSL	180°, 2%, 48%
HSV	180°, 3%, 49%
XYZ	18.8560, 20.1443, 22.2310
YIQ	123.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

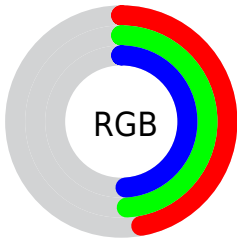
Format	Color
RYB	121, 123, 125
Decimal	7961981
CIELab	52.00, -1.49, -0.53
CIElCh	52, 1.581, 199.482
Yxy	20.1443, 0.3079, 0.3290
Android (android.graphics.Color)	4286152061 (0xFF797D7D)
YUV	123.8040, 0.5896, -2.4591
Hunter-Lab	44.8824, -3.5530, 2.0504

Details

The CIELCh color $52, 1.581, 199.482$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 1.613, 19.305$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 1.854, 199.524$, and $32, 1.292, 199.422$ is the 20% darker color. If you saturate the color by 10%, you get $51, 6.366, 198.739$, and if you desaturate by 10%, it is $53, 3.419, 19.620$.

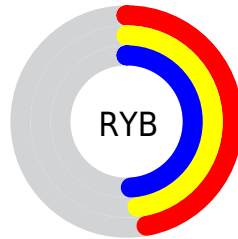
Distribution



Red (47%)

Green (49%)

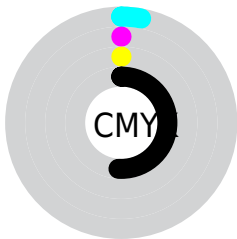
Blue (49%)



Red (47%)

Yellow (48%)

Blue (49%)

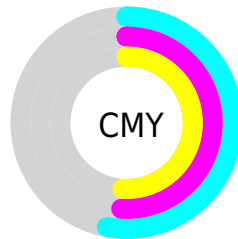


Cyan (3%)

Magenta (0%)

Yellow (0%)

Black (51%)



Cyan (53%)

Magenta (51%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 1.581, 199.482 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, 1.581, 199.482 by changing the saturation by 10% instead.

■ 52, 1.581, 199.482

■ 52, 1.581, 199.482

■ 100, 1.581,
199.482

■ 42, 1.581, 199.482

■ 72, 1.581, 199.482

■ 32, 1.581, 199.482

■ 82, 1.581, 199.482

■ 22, 1.581, 199.482

■ 92, 1.581, 199.482

■ 12, 1.581, 199.482

■ 2, 1.581, 199.482

■ 0, 1.581, 199.482

■ 52, 1.581, 199.482

■ 52, 1.581, 199.482

■ 51, 6.366, 198.739

■ 53, 3.419, 19.620

■ 50, 10.865,

■ 54, 8.577, 20.255

198.238

■ 55, 13.838, 20.857

■ 49, 15.006,
197.797

■ 57, 19.161, 21.460

■ 49, 18.715,
197.411

■ 58, 24.511, 22.065

■ 48, 21.925,
197.082

■ 60, 29.861, 22.670

■ 48, 24.582,
196.812

■ 63, 40.483, 23.864

■ 48, 26.651,
196.604

■ 65, 45.729, 24.447

■ 47, 28.127,
196.454

■ 47, 29.044,
196.359

Harmonies

Complementary

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



52, 1.581, 199.482



51, 1.613, 19.305

Rectangle

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



52, 1.581, 199.482



52, 1.581, 249.482



52, 1.581, 19.482



52, 1.581, 69.482

Sweetspot

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



52, 1.582, 199.437



67, 0.617, 200.076



52, 2.816, 143.895



35, 0.349, 200.141



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, 1.582, 199.437



67, 2.453, 199.337



51, 1.384, 254.157



26, 1.364, 199.296



47, 29.556, 196.308



90, 49.754, 196.304

Inverse Universe

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



51, 1.613, 19.305



65, 2.515, 19.410



52, 1.386, 73.034



25, 1.402, 19.454



25, 60.060, 38.153



53, 103.760, 39.985

Previews

White Background



This preview shows how the CIELCh color 52, 1.581, 199.482 looks on a white background.

Color Contrast Check

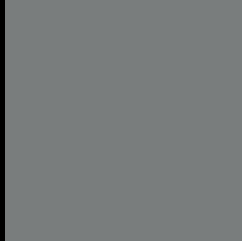
Large Text (above 18pt) WCAG AA ✓ Pass

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, 1.581, 199.482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

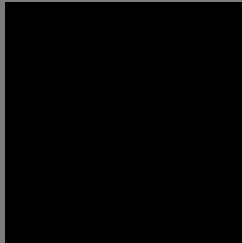
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

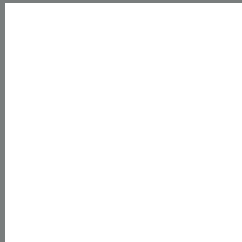
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 1.581, 199.482

Background



This preview shows how black text looks on a background with the CIELCh color 52, 1.581, 199.482.



This preview shows how white text looks on a background with the CIELCh color 52, 1.581, 199.482.

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, 1.581, 199.482

Protanopia

52, 1.342, 353.652

Deuteranopia

52, 6.985, 350.350



Tritanopia
52, 5.821, 287.119

Trichromacy



Original Color

52, 1.581, 199.482

Protanomaly

52, 0.007, 296.813

Deuteranomaly

52, 3.973, 344.063

Tritanomaly

52, 3.560, 277.983

Monochromacy



Original Color

52, 1.581, 199.482

Achromatopsia

52, 0.007, 296.813

Achromatomaly

52, 0.397, 200.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 1.581, 199.482 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(121, 125, 125)` looks like.

```
.text, #text, p{  
    color:rgb(121, 125, 125)  
}
```

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(121, 125, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 125, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 1.581, 199.482 is called "border". The border property can be set on classes, ids or directly on the HTML element.

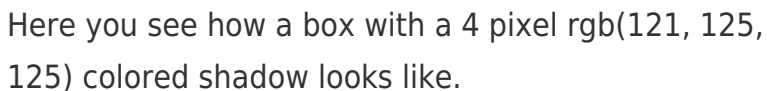
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(121, 125, 125) }
```

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

```
.border{ border-color:rgb(121, 125, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(121, 125, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 125, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 125, 125); box-shadow:4px 4px 4px 4px rgb(121, 125, 125) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 1.581, 199.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 125, 125) }
```

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

```
.background{ background-color: rgb(121,  
125, 125) }
```

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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