

Converting Colors

CIELCh(52, 3.135, 308.464)

Have a look what the booklet for
CIELCh(52, 3.135, 308.464) contains.

CIELCh(52, 3.156, 312.604)	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, 3.156, 312.604)

Conversions

Conversions Part 1

Format	Color
Hex	7E7B80
RGB	126, 123, 128
RGB Percent	49%, 48%, 50%
CMY	0.5061, 0.5178, 0.4982
CMYK	0.02, 0.04, 0.00, 0.50
HSL	276°, 2%, 49%
HSV	276°, 4%, 50%
XYZ	19.5683, 20.1443, 23.2635
YIQ	124.4670, 0.1830, 2.1910

Conversions

Conversions Part 2

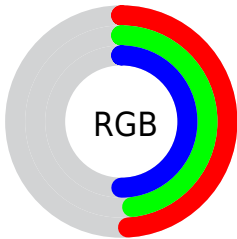
Format	Color
R_{YB}	126, 123, 128
Decimal	8289152
CIE Lab	52.00, 2.14, -2.32
CIE LCh	52, 3.156, 312.604
Yxy	20.1443, 0.3107, 0.3199
Android (android.graphics.Color)	4286479232 (0xFF7E7B80)
YUV	124.4670, 1.7418, 1.3444
Hunter-Lab	44.8824, -0.7200, 0.6864

Details

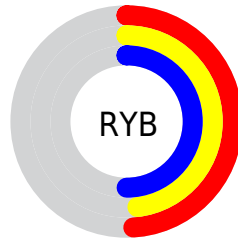
The CIELCh color **52, 3.156, 312.604** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **53, 3.130, 132.359**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 3.613, 314.760**, and **32, 3.441, 312.698** is the 20% darker color. If you saturate the color by 10%, you get **48, 11.356, 313.035**, and if you desaturate by 10%, it is **56, 4.838, 132.272**.

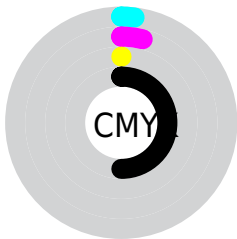
Distribution



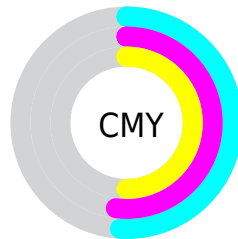
- Red (49%)
- Green (48%)
- Blue (50%)



- Red (49%)
- Yellow (48%)
- Blue (50%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (50%)



- Cyan (51%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 3.156, 312.604 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, 3.156, 312.604 by changing the saturation by 10% instead.

■ 52, 3.156, 312.604

■ 52, 3.156, 312.604

■ 100, 3.156,
312.604

■ 42, 3.156, 312.604

■ 72, 3.156, 312.604

■ 32, 3.156, 312.604

■ 82, 3.156, 312.604

■ 22, 3.156, 312.604

■ 92, 3.156, 312.604

■ 12, 3.156, 312.604

■ 2, 3.156, 312.604

■ 0, 3.156, 312.604

■ 52, 3.156, 312.604

■ 52, 3.156, 312.604

■ 48, 11.356,
313.035

■ 56, 4.838, 132.272

■ 60, 12.609,

44, 19.735,
313.475

131.908

40, 28.233,
313.923

64, 20.155,
131.587

36, 36.750,
314.363

68, 27.480,
131.301

33, 45.118,
314.766

72, 34.593,
131.046

29, 53.084,
315.089

76, 41.500,
130.821

26, 60.287,
315.274

80, 48.215,
130.622

24, 66.279,
315.246

84, 54.745,
130.448

22, 70.646,
314.934

88, 61.103,
130.297

Harmonies

Complementary

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



52, 3.156, 312.604



53, 3.130, 132.359

Rectangle

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



52, 3.156, 312.604



52, 3.156, 2.604



52, 3.156, 132.604



52, 3.156, 182.604

Sweetspot

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



52, 3.154, 312.598



68, 1.000, 312.388



52, 1.870, 264.466



36, 0.573, 312.376



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 3.154, 312.598



66, 4.995, 312.655



52, 3.340, 326.927



26, 2.727, 312.670



20, 72.882, 314.745



0, 0.000, 0.000

Inverse Universe

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



52, 2.325, 349.599



66, 3.684, 349.737



53, 3.328, 146.616



26, 2.011, 349.773



26, 50.595, 9.864



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 3.156, 312.604 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, 3.156, 312.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

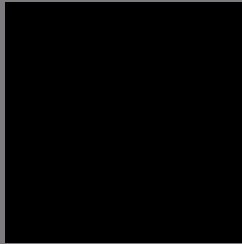
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

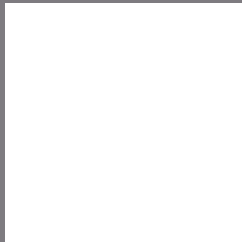
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 3.156, 312.604

Background



This preview shows how black text looks on a background with the CIELCh color 52, 3.156, 312.604.



This preview shows how white text looks on a background with the CIELCh color 52, 3.156, 312.604.

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, 3.156, 312.604

Protanopia

52, 3.025, 305.665

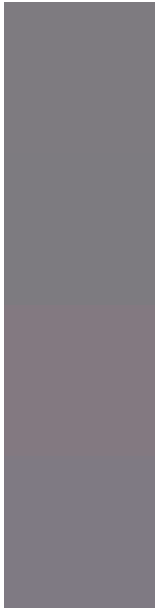
Deuteranopia

52, 7.672, 337.388



Tritanopia
52, 6.162, 309.377

Trichromacy



Original Color

52, 3.156, 312.604

Protanomaly

52, 3.025, 305.665

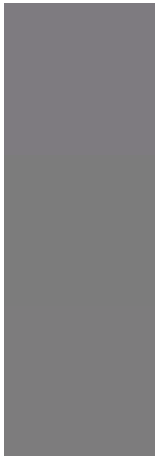
Deuteranomaly

52, 6.143, 330.946

Tritanomaly

52, 5.615, 311.247

Monochromacy



Original Color

52, 3.156, 312.604

Achromatopsia

52, 0.007, 296.813

Achromatomaly

52, 0.714, 324.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 3.156, 312.604 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(126, 123, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 123, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 3.156, 312.604 is called "border". The border property can be set on classes, ids or directly on the HTML element.

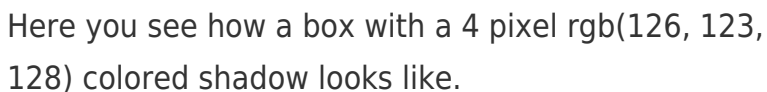
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 123, 128) }
```

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

```
.border{ border-color:rgb(126, 123, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 123, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 123, 128); box-shadow:4px 4px 4px 4px rgb(126, 123, 128) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 3.156, 312.604 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, 128) }
```

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

```
.background{ background-color: rgb(126,  
123, 128) }
```

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