

Converting Colors

CIELCh(52, 43.032, 321.584)

Have a look what the booklet for
CIELCh(52, 43.032, 321.584)
contains.

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Color

CIELCh(52, 42.688, 321.510)

Conversions

Conversions Part 1

Format	Color
Hex	9F68AA
RGB	159, 104, 170
RGB Percent	62%, 41%, 67%
CMY	0.3768, 0.5925, 0.3337
CMYK	0.06, 0.39, 0.00, 0.33
HSL	290°, 28%, 54%
HSV	290°, 39%, 67%
XYZ	26.4693, 20.1443, 40.4792
YIQ	127.9690, 11.5940, 32.1860

Conversions

Conversions Part 2

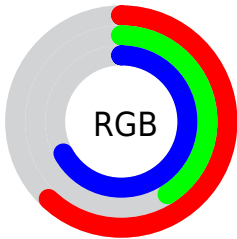
Format	Color
R_{YB}	159, 104, 170
Decimal	10447018
CIE _{Lab}	52.00, 33.41, -26.57
CIE _{LCh}	52, 42.688, 321.510
Yxy	20.1443, 0.3039, 0.2313
Android (android.graphics.Color)	4288637098 (0xFF9F68AA)
YUV	127.9690, 20.7213, 27.2142
Hunter-Lab	44.8824, 26.7256, -22.0557

Details

The CIELCh color $52, 42.688, 321.510$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $64, 42.136, 137.581$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 43.093, 321.494$, and $32, 42.874, 321.248$ is the 20% darker color. If you saturate the color by 10%, you get $48, 53.237, 321.890$, and if you desaturate by 10%, it is $56, 31.737, 321.084$.

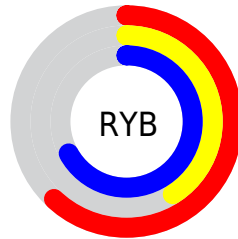
Distribution



Red (62%)

Green (41%)

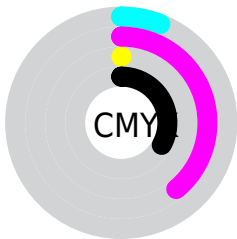
Blue (67%)



Red (62%)

Yellow (41%)

Blue (67%)

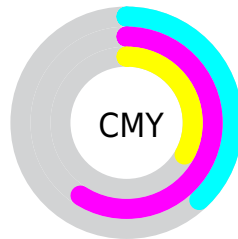


Cyan (6%)

Magenta (39%)

Yellow (0%)

Black (33%)



Cyan (38%)


Magenta (59%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 42.688, 321.510 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, 42.688, 321.510 by changing the saturation by 10% instead.


 52, 42.688,
321.510


 52, 42.688,
321.510


 100, 42.688,
321.510


 42, 42.688,
321.510


 72, 42.688,
321.510

 32, 42.688,
321.510

 82, 42.688,
321.510

 22, 42.688,
321.510

 92, 42.688,
321.510

 12, 42.688,
321.510

 2, 42.688, 321.510

 0, 42.688, 321.510

52, 42.688,
321.510

52, 42.688,
321.510

48, 53.237,
321.890

56, 31.737,
321.084

44, 63.026,
322.193

61, 20.654,
320.634

41, 71.607,
322.385

65, 9.622, 320.172

39, 78.501,
322.428

70, 1.242, 139.903

37, 83.315,
322.285

75, 11.868,
139.337

35, 86.167,
321.965

80, 22.215,
138.925

35, 86.472,
321.927

85, 32.268,
138.543

89, 42.022,
138.189

■ 94, 50.414,
137.800

Harmonies

Complementary

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



52, 42.688, 321.510



64, 42.136, 137.581

Rectangle

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



52, 42.688, 321.510



52, 42.688, 11.510



52, 42.688, 141.510



52, 42.688, 191.510

Sweetspot

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



52, 42.686, 321.510



81, 16.272, 320.330



50, 31.636, 287.116



43, 10.890, 320.387



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



52, 42.686, 321.510



63, 63.722, 321.855



52, 35.763, 337.885



33, 6.115, 320.192



30, 78.070, 321.994



2, 10.904, 318.180

Inverse Universe

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



51, 28.350, 10.424



62, 43.246, 12.121



64, 35.297, 151.632



33, 3.809, 6.584



30, 62.689, 30.837



1, 6.732, 7.651

Previews

White Background



This preview shows how the CIELCh color 52, 42.688, 321.510 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, 42.688, 321.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

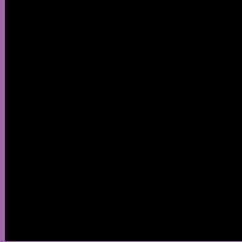
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 42.688, 321.510

Background



This preview shows how black text looks on a background with the CIELCh color 52, 42.688, 321.510.

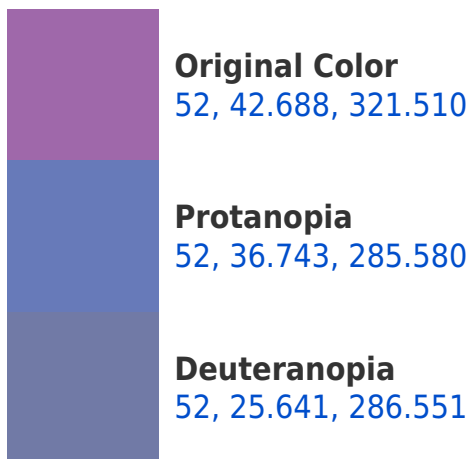


This preview shows how white text looks on a background with the CIELCh color 52, 42.688, 321.510.

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





Tritanopia
52, 16.434, 3.074

Trichromacy



Original Color
52, 42.688, 321.510

Protanomaly
52, 38.002, 298.631

Deuteranomaly
52, 30.845, 303.506

Tritanomaly
52, 24.626, 337.792

Monochromacy



Original Color
52, 42.688, 321.510

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 15.962, 320.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 42.688, 321.510 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(159, 104, 170)` looks like.

```
.text, #text, p{  
    color:rgb(159, 104, 170)  
}
```

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(159, 104, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 104, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 42.688, 321.510 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(159, 104, 170) }
```

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

```
.border{ border-color:rgb(159, 104, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 104, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 104, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 104, 170);  
box-shadow:4px 4px 4px 4px rgb(159, 104,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 42.688, 321.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 104, 170) }
```

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

```
.background{ background-color: rgb(159,  
104, 170) }
```

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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