

Converting Colors

CIELCh(52, 32.963, 328.130)

Have a look what the booklet for
CIELCh(52, 32.963, 328.130)
contains.

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Color

CIELCh(52, 33.097, 328.433)

Conversions

Conversions Part 1

Format	Color
Hex	9E6B9A
RGB	158, 107, 154
RGB Percent	62%, 42%, 60%
CMY	0.3801, 0.5801, 0.3958
CMYK	0.00, 0.32, 0.03, 0.38
HSL	305°, 21%, 52%
HSV	305°, 32%, 62%
XYZ	25.2216, 20.1443, 33.1658
YIQ	127.6070, 15.3090, 25.4290

Conversions

Conversions Part 2

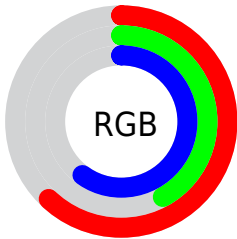
Format	Color
R _Y B	158, 107, 154
Decimal	10382234
CIE _{Lab}	52.00, 28.20, -17.33
CIE _{LCh}	52, 33.097, 328.433
Y _{xy}	20.1443, 0.3212, 0.2565
Android (android.graphics.Color)	4288572314 (0xFF9E6B9A)
YUV	127.6070, 13.0117, 26.6547
Hunter-Lab	44.8824, 21.7635, -12.3946

Details

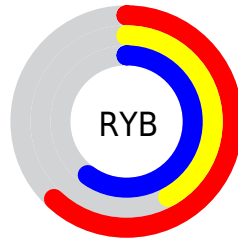
The CIELCh color $52, 33.097, 328.433$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $61, 33.085, 144.334$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 32.900, 328.509$, and $32, 33.464, 328.553$ is the 20% darker color. If you saturate the color by 10%, you get $48, 42.954, 328.986$, and if you desaturate by 10%, it is $56, 22.886, 327.867$.

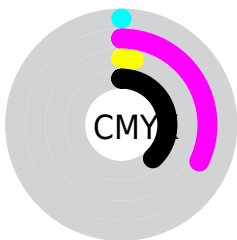
Distribution



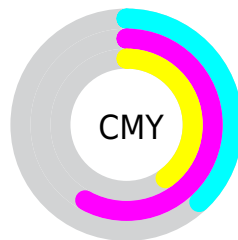
- Red (62%)
- Green (42%)
- Blue (60%)



- Red (62%)
- Yellow (42%)
- Blue (60%)



- Cyan (0%)
- Magenta (32%)
- Yellow (3%)
- Black (38%)





- Cyan (38%)
- Magenta (58%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 33.097, 328.433 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, 33.097, 328.433 by changing the saturation by 10% instead.


 52, 33.097,
328.433


 52, 33.097,
328.433


 100, 33.097,
328.433


 42, 33.097,
328.433


 72, 33.097,
328.433

 32, 33.097,
328.433

 82, 33.097,
328.433

 22, 33.097,
328.433

 92, 33.097,
328.433

 12, 33.097,
328.433

 2, 33.097, 328.433

 0, 33.097, 328.433

■ 52, 33.097,
328.433

■ 52, 33.097,
328.433

■ 48, 42.954,
328.986

■ 56, 22.886,
327.867

■ 45, 52.147,
329.517

■ 60, 12.568,
327.295

■ 42, 60.289,
330.017

■ 64, 2.309, 326.655

■ 40, 66.976,
330.479

■ 68, 7.781, 146.240

■ 38, 71.860,
330.902

■ 73, 17.633,
145.697

■ 37, 74.761,
331.292

■ 77, 27.212,
145.188

■ 37, 76.072,
331.580

■ 82, 36.502,
144.706

■ 86, 45.501,
144.250

■ 91, 54.217,
143.820

Harmonies

Complementary

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



52, 33.097, 328.433



61, 33.085, 144.334

Rectangle

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



52, 33.097, 328.433



52, 33.097, 18.433



52, 33.097, 148.433



52, 33.097, 198.433

Sweetspot

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



52, 33.095, 328.433



78, 12.728, 327.175



47, 30.236, 296.270



41, 8.759, 327.252



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



52, 33.095, 328.433



64, 49.435, 328.850



51, 24.061, 350.608



31, 5.786, 327.119



33, 70.655, 331.549



1, 7.439, 327.132

Inverse Universe

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



52, 33.095, 328.433



64, 49.435, 328.850



61, 22.803, 164.340



31, 5.786, 327.119



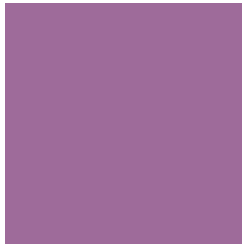
33, 70.655, 331.549



1, 7.439, 327.132

Previews

White Background



This preview shows how the CIELCh color 52, 33.097, 328.433 looks on a white background.

Color Contrast Check

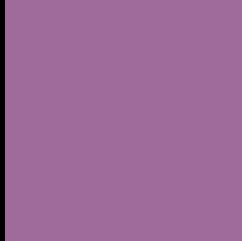
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 52, 33.097, 328.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

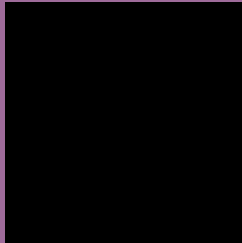
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 33.097, 328.433

Background



This preview shows how black text looks on a background with the CIELCh color 52, 33.097, 328.433.



This preview shows how white text looks on a background with the CIELCh color 52, 33.097, 328.433.

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, 33.097, 328.433

Protanopia

52, 24.535, 284.494

Deuteranopia

52, 16.866, 293.499



Tritanopia
52, 17.658, 4.573

Trichromacy



Original Color
52, 33.097, 328.433

Protanomaly
52, 26.064, 302.655

Deuteranomaly
52, 21.630, 311.566

Tritanomaly
52, 21.909, 344.925

Monochromacy



Original Color
52, 33.097, 328.433

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 12.386, 328.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 33.097, 328.433 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(158, 107, 154)` looks like.

```
.text, #text, p{  
    color:rgb(158, 107, 154)  
}
```

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(158, 107, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 107, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 33.097, 328.433 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(158, 107, 154) }
```

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

```
.border{ border-color:rgb(158, 107, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 107, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 107, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 107, 154); box-shadow:4px 4px 4px 4px rgb(158, 107, 154) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 33.097, 328.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 107, 154) }
```

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

```
.background{ background-color: rgb(158,  
107, 154) }
```

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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