

Converting Colors

CIELCh(52, 33.502, 313.535)

Have a look what the booklet for
CIELCh(52, 33.502, 313.535)
contains.

CIELCh(52, 33.454, 313.660)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 33.454, 313.660)

Conversions

Conversions Part 1

Format	Color
Hex	9070A6
RGB	144, 112, 166
RGB Percent	56%, 44%, 65%
CMY	0.4368, 0.5622, 0.3505
CMYK	0.13, 0.33, 0.00, 0.35
HSL	276°, 23%, 54%
HSV	276°, 33%, 65%
XYZ	24.0387, 20.1443, 38.5142
YIQ	127.7240, 1.7380, 23.5780

Conversions

Conversions Part 2

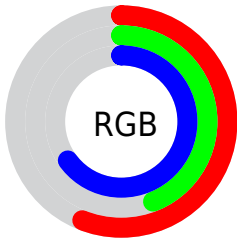
Format	Color
RYB	144, 112, 166
Decimal	9466022
CIELab	52.00, 23.10, -24.20
CIELCh	52, 33.454, 313.660
Yxy	20.1443, 0.2907, 0.2436
Android (android.graphics.Color)	4287656102 (0xFF9070A6)
YUV	127.7240, 18.8701, 14.2741
Hunter-Lab	44.8824, 17.0591, -19.4598

Details

The CIELCh color $52, 33.454, 313.660$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $64, 32.298, 130.766$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 33.322, 313.500$, and $32, 33.295, 313.708$ is the 20% darker color. If you saturate the color by 10%, you get $47, 43.970, 314.116$, and if you desaturate by 10%, it is $57, 22.973, 313.198$.

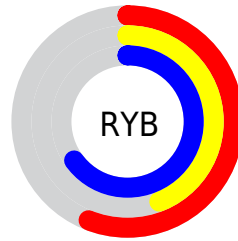
Distribution



Red (56%)

Green (44%)

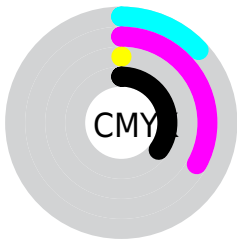
Blue (65%)



Red (56%)

Yellow (44%)

Blue (65%)

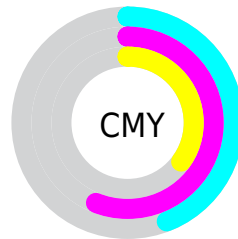


Cyan (13%)

Magenta (33%)

Yellow (0%)

Black (35%)



Cyan (44%)


Magenta (56%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 33.454, 313.660 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, 33.454, 313.660 by changing the saturation by 10% instead.


 52, 33.454,
313.660


 52, 33.454,
313.660


 100, 33.454,
313.660


 42, 33.454,
313.660


 72, 33.454,
313.660

 32, 33.454,
313.660

 82, 33.454,
313.660

 22, 33.454,
313.660

 92, 33.454,
313.660

 12, 33.454,
313.660

 2, 33.454, 313.660

 0, 33.454, 313.660

■ 52, 33.454,
313.660

■ 52, 33.454,
313.660

■ 47, 43.970,
314.116

■ 57, 22.973,
313.198

■ 43, 54.318,
314.535

■ 62, 12.658,
312.748

■ 39, 64.174,
314.873

■ 67, 2.575, 312.288

■ 35, 73.073,
315.065

■ 72, 7.239, 131.968

■ 32, 80.429,
315.030

■ 77, 16.771,
131.604

■ 29, 85.661,
314.683

■ 82, 26.020,
131.283

■ 28, 88.503,
314.294

■ 87, 34.991,
130.998

■ 91, 43.695,
130.746

■ 95, 48.906,
129.725

Harmonies

Complementary

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



52, 33.454, 313.660



64, 32.298, 130.766

Rectangle

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



52, 33.454, 313.660



52, 33.454, 3.660



52, 33.454, 133.660



52, 33.454, 183.660

Sweetspot

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



52, 33.452, 313.660



80, 12.361, 312.641



55, 19.327, 269.066



41, 8.432, 312.700



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



52, 33.452, 313.660



62, 49.582, 313.986



54, 34.600, 328.610



32, 5.597, 312.601



24, 80.347, 314.413



1, 8.508, 310.350

Inverse Universe

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



53, 24.914, 352.295



64, 36.847, 353.260



63, 34.588, 144.433



32, 4.161, 349.721



30, 55.639, 9.861



1, 6.236, 351.348

Previews

White Background



This preview shows how the CIELCh color 52, 33.454, 313.660 looks on a white background.

Color Contrast Check

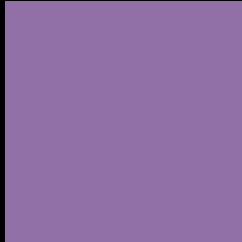
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.454, 313.660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

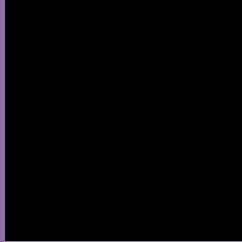
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 33.454, 313.660

Background



This preview shows how black text looks on a background with the CIELCh color 52, 33.454, 313.660.



This preview shows how white text looks on a background with the CIELCh color 52, 33.454, 313.660.

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, 33.454, 313.660

Protanopia
52, 30.358, 285.349

Deuteranopia
52, 24.441, 287.589



Tritanopia
52, 9.257, 346.223

Trichromacy



Original Color
52, 33.454, 313.660

Protanomaly
52, 30.893, 295.796

Deuteranomaly
52, 27.527, 298.554

Tritanomaly
52, 17.769, 323.234

Monochromacy



Original Color
52, 33.454, 313.660

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 12.548, 313.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 33.454, 313.660 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(144, 112, 166)` looks like.

```
.text, #text, p{  
    color:rgb(144, 112, 166)  
}
```

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(144, 112, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 112, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 33.454, 313.660 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(144, 112, 166) }
```

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

```
.border{ border-color:rgb(144, 112, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 112, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 112, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 112, 166);  
box-shadow:4px 4px 4px 4px rgb(144, 112,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 33.454, 313.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 112, 166) }
```

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

```
.background{ background-color: rgb(144,  
112, 166) }
```

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