

Converting Colors

CIELCh(52, 38.782, 331.541)

Have a look what the booklet for
CIELCh(52, 38.782, 331.541)
contains.

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Color

CIELCh(52, 38.843, 331.392)

Conversions

Conversions Part 1

Format	Color
Hex	A6669C
RGB	166, 102, 156
RGB Percent	65%, 40%, 61%
CMY	0.3474, 0.5985, 0.3867
CMYK	0.00, 0.38, 0.06, 0.35
HSL	309°, 27%, 53%
HSV	309°, 38%, 65%
XYZ	26.6370, 20.1443, 34.1156
YIQ	127.2920, 20.8100, 30.3620

Conversions

Conversions Part 2

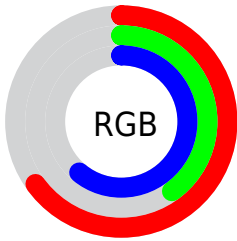
Format	Color
R _Y B	166, 102, 156
Decimal	10905244
CIE _{Lab}	52.00, 34.10, -18.60
CIE _{LCh}	52, 38.843, 331.392
Y _{xy}	20.1443, 0.3293, 0.2490
Android (android.graphics.Color)	4289095324 (0xFFA6669C)
YUV	127.2920, 14.1530, 33.9469
Hunter-Lab	44.8824, 27.3927, -13.6492

Details

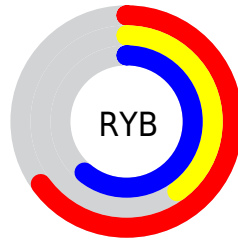
The CIELCh color $52, 38.843, 331.392$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 38.796, 146.052$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 39.145, 331.123$, and $32, 38.861, 331.360$ is the 20% darker color. If you saturate the color by 10%, you get $48, 48.233, 332.028$, and if you desaturate by 10%, it is $56, 28.916, 330.762$.

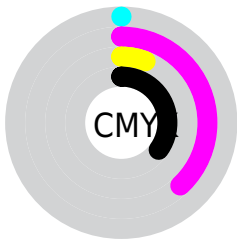
Distribution



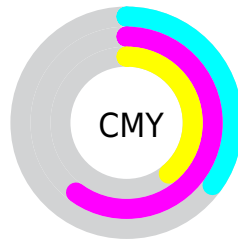
- Red (65%)
- Green (40%)
- Blue (61%)



- Red (65%)
- Yellow (40%)
- Blue (61%)



- Cyan (0%)
- Magenta (38%)
- Yellow (6%)
- Black (35%)





- Cyan (35%)
- Magenta (60%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 38.843, 331.392 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, 38.843, 331.392 by changing the saturation by 10% instead.


 52, 38.843,
331.392


 52, 38.843,
331.392


 100, 38.843,
331.392


 42, 38.843,
331.392


 72, 38.843,
331.392

 32, 38.843,
331.392

 82, 38.843,
331.392

 22, 38.843,
331.392

 92, 38.843,
331.392

 12, 38.843,
331.392

 2, 38.843, 331.392

 0, 38.843, 331.392

52, 38.843,
331.392

52, 38.843,
331.392

48, 48.233,
332.028

56, 28.916,
330.762

45, 56.718,
332.668

60, 18.751,
330.139

42, 63.869,
333.316

64, 8.558, 329.520

40, 69.276,
333.981

69, 1.519, 149.135

74, 11.393,
148.424

39, 72.654,
334.682

78, 21.011,
147.875

38, 74.179,
335.434

83, 30.350,
147.358

38, 74.372,
335.549

88, 39.403,
146.869

■ 92, 48.175,
146.407

Harmonies

Complementary

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



52, 38.843, 331.392



63, 38.796, 146.052

Rectangle

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



52, 38.843, 331.392



52, 38.843, 21.392



52, 38.843, 151.392



52, 38.843, 201.392

Sweetspot

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



52, 38.841, 331.392



80, 15.061, 329.753



47, 38.175, 299.746



42, 10.077, 329.829



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



52, 38.841, 331.392



63, 56.926, 331.924



51, 28.861, 356.941



33, 5.771, 329.571



33, 68.280, 335.466



2, 10.091, 330.812

Inverse Universe

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



52, 38.841, 331.392



63, 56.926, 331.924



64, 26.307, 168.708



33, 5.771, 329.571



33, 68.280, 335.466



2, 10.091, 330.812

Previews

White Background



This preview shows how the CIELCh color 52, 38.843, 331.392 looks on a white background.

Color Contrast Check

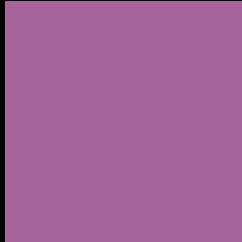
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.843, 331.392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

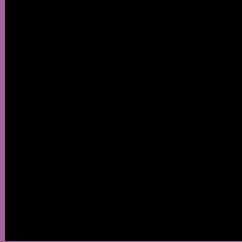
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 38.843, 331.392

Background



This preview shows how black text looks on a background with the CIELCh color 52, 38.843, 331.392.

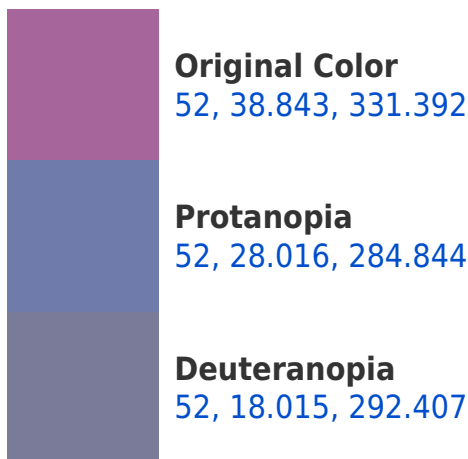


This preview shows how white text looks on a background with the CIELCh color 52, 38.843, 331.392.

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, 22.182, 10.317

Trichromacy



Original Color
52, 38.843, 331.392

Protanomaly
52, 29.673, 303.811

Deuteranomaly
52, 24.323, 313.226

Tritanomaly
52, 26.811, 350.603

Monochromacy



Original Color
52, 38.843, 331.392

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 14.253, 330.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 38.843, 331.392 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(166, 102, 156)` looks like.

```
.text, #text, p{  
    color:rgb(166, 102, 156)  
}
```

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(166, 102, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 102, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 38.843, 331.392 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(166, 102, 156) }
```

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

```
.border{ border-color:rgb(166, 102, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 102, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 102, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 102, 156);  
box-shadow:4px 4px 4px 4px rgb(166, 102,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 38.843, 331.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 102, 156) }
```

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

```
.background{ background-color: rgb(166,  
102, 156) }
```

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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