

Converting Colors

CIELCh(56, 33.428, 312.649)

Have a look what the booklet for
CIELCh(56, 33.428, 312.649)
contains.

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Color

CIELCh(56, 33.468, 312.656)

Conversions

Conversions Part 1

Format	Color
Hex	997AB1
RGB	153, 122, 177
RGB Percent	60%, 48%, 69%
CMY	0.3995, 0.5211, 0.3054
CMYK	0.14, 0.31, 0.00, 0.31
HSL	274°, 26%, 59%
HSV	274°, 31%, 69%
XYZ	28.0834, 23.9124, 44.7975
YIQ	137.5390, 0.8210, 23.6770

Conversions

Conversions Part 2

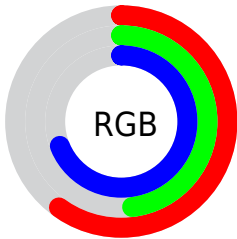
Format	Color
RYB	153, 122, 177
Decimal	10058417
CIELab	56.00, 22.68, -24.61
CIELCh	56, 33.468, 312.656
Yxy	23.9124, 0.2901, 0.2470
Android (android.graphics.Color)	4288248497 (0xFF997AB1)
YUV	137.5390, 19.4543, 13.5593
Hunter-Lab	48.9003, 16.9367, -20.0853

Details

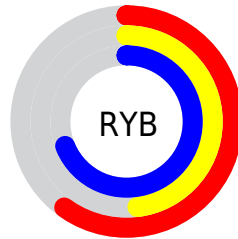
The CIELCh color **56, 33.468, 312.656** is a light color, and the websafe version is hex **996699**. A complement of this color would be **69, 32.267, 129.861**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 33.366, 312.556**, and **36, 33.274, 312.612** is the 20% darker color. If you saturate the color by 10%, you get **51, 44.572, 313.136**, and if you desaturate by 10%, it is **61, 22.453, 312.178**.

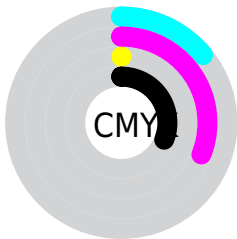
Distribution



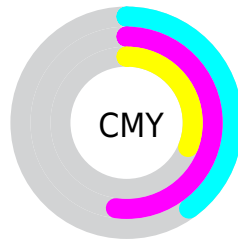
- Red (60%)
- Green (48%)
- Blue (69%)



- Red (60%)
- Yellow (48%)
- Blue (69%)



- Cyan (14%)
- Magenta (31%)
- Yellow (0%)
- Black (31%)





- Cyan (40%)
- Magenta (52%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 33.468, 312.656 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 56, 33.468, 312.656 by changing the saturation by 10% instead.


 56, 33.468,
312.656


 56, 33.468,
312.656


 100, 33.468,
312.656


 46, 33.468,
312.656


 76, 33.468,
312.656

 36, 33.468,
312.656

 86, 33.468,
312.656

 26, 33.468,
312.656

 96, 33.468,
312.656

 16, 33.468,
312.656

 6, 33.468, 312.656

 0, 33.468, 312.656

56, 33.468,
312.656

56, 33.468,
312.656

51, 44.572,
313.136

61, 22.453,
312.178

46, 55.572,
313.591

66, 11.645,
311.717

41, 66.151,
313.975

72, 1.103, 311.189

37, 75.836,
314.223

77, 9.143, 130.930

34, 84.001,
314.250

82, 19.086,
130.572

31, 89.980,
313.962

88, 28.727,
130.257

29, 93.620,
313.476

93, 38.076,
129.979

96, 42.101,
128.135

■ 96, 41.099,
124.505

Harmonies

Complementary

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



56, 33.468, 312.656



69, 32.267, 129.861

Rectangle

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



56, 33.468, 312.656



56, 33.468, 2.656



56, 33.468, 132.656



56, 33.468, 182.656

Sweetspot

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



56, 33.466, 312.656



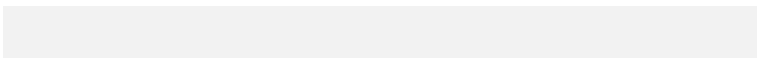
85, 11.675, 311.632



60, 18.722, 265.557



44, 8.119, 311.696



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



56, 33.466, 312.656



67, 49.483, 312.973



58, 35.649, 327.522



35, 5.990, 311.639



25, 83.951, 313.605



2, 13.999, 307.381

Inverse Universe

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



57, 25.440, 350.307



70, 37.492, 351.146



67, 35.647, 143.620



35, 4.563, 347.991



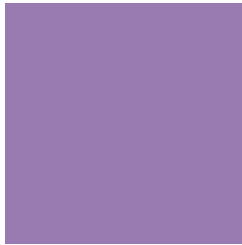
32, 57.662, 7.344



2, 10.256, 353.379

Previews

White Background



This preview shows how the CIELCh color 56, 33.468, 312.656 looks on a white background.

Color Contrast Check

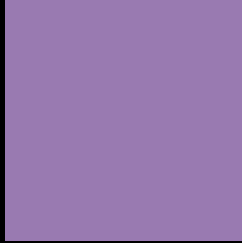
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 33.468, 312.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

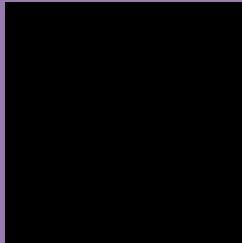
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 33.468, 312.656

Background



This preview shows how black text looks on a background with the CIELCh color 56, 33.468, 312.656.



This preview shows how white text looks on a background with the CIELCh color 56, 33.468, 312.656.

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

56, 33.468, 312.656

Protanopia

56, 29.919, 284.942

Deuteranopia

56, 24.675, 287.542



Tritanopia
56, 9.500, 338.985

Trichromacy



Original Color
56, 33.468, 312.656

Protanomaly
56, 30.416, 294.935

Deuteranomaly
56, 27.716, 298.332

Tritanomaly
56, 18.330, 320.240

Monochromacy



Original Color
56, 33.468, 312.656

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 12.363, 313.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 33.468, 312.656 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(153, 122, 177)` looks like.

```
.text, #text, p{  
    color:rgb(153, 122, 177)  
}
```

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(153, 122, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 122, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 33.468, 312.656 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(153, 122, 177) }
```

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

```
.border{ border-color:rgb(153, 122, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 122, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 122, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 122, 177);  
box-shadow:4px 4px 4px 4px rgb(153, 122,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 33.468, 312.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 122, 177) }
```

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

```
.background{ background-color: rgb(153,  
122, 177) }
```

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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