

Converting Colors

CIELCh(56, 28.445, 335.874)

Have a look what the booklet for
CIELCh(56, 28.445, 335.874)
contains.

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Color

CIELCh(56, 28.840, 335.972)

Conversions

Conversions Part 1

Format	Color
Hex	AA769B
RGB	170, 118, 155
RGB Percent	67%, 46%, 61%
CMY	0.3329, 0.5368, 0.3917
CMYK	0.00, 0.31, 0.09, 0.33
HSL	317°, 23%, 57%
HSV	317°, 31%, 67%
XYZ	29.0203, 23.9124, 34.1466
YIQ	137.7660, 19.1150, 22.5310

Conversions

Conversions Part 2

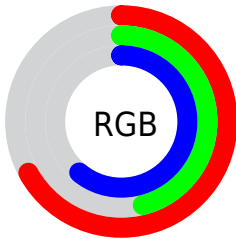
Format	Color
R_{YB}	170, 118, 155
Decimal	11171483
CIE _{Lab}	56.00, 26.34, -11.74
CIE _{LCh}	56, 28.840, 335.972
Yxy	23.9124, 0.3333, 0.2746
Android (android.graphics.Color)	4289361563 (0xFFAA769B)
YUV	137.7660, 8.4964, 28.2692
Hunter-Lab	48.9003, 20.3569, -7.1713

Details

The CIELCh color $56, 28.840, 335.972$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $65, 28.557, 151.406$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 28.522, 336.404$, and $36, 28.685, 335.937$ is the 20% darker color. If you saturate the color by 10%, you get $52, 38.041, 336.775$, and if you desaturate by 10%, it is $60, 19.389, 335.219$.

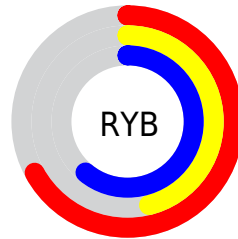
Distribution



Red (67%)

Green (46%)

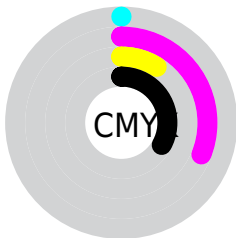
Blue (61%)



Red (67%)

Yellow (46%)

Blue (61%)

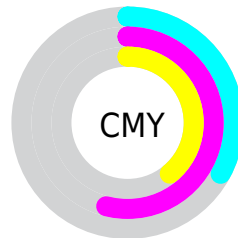


Cyan (0%)

Magenta (31%)

Yellow (9%)

Black (33%)



Cyan (33%)


Magenta (54%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 28.840, 335.972 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, 28.840, 335.972 by changing the saturation by 10% instead.


 56, 28.840,
335.972


 56, 28.840,
335.972


 100, 28.840,
335.972


 46, 28.840,
335.972


 76, 28.840,
335.972

 36, 28.840,
335.972

 86, 28.840,
335.972

 26, 28.840,
335.972

 96, 28.840,
335.972

 16, 28.840,
335.972

 6, 28.840, 335.972

 0, 28.840, 335.972

56, 28.840,
335.972

56, 28.840,
335.972

52, 38.041,
336.775

60, 19.389,
335.219

48, 46.698,
337.639

65, 9.907, 334.500

69, 0.535, 333.310

45, 54.423,
338.587

74, 8.641, 153.272

42, 60.777,
339.651

79, 17.573,
152.661

40, 65.345,
340.879

84, 26.240,
152.097

39, 67.866,
342.334

88, 34.636,
151.567

38, 68.746,
343.919

93, 42.767,
151.069

 94, 41.337,
153.222

Harmonies

Complementary

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



56, 28.840, 335.972



65, 28.557, 151.406

Rectangle

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



56, 28.840, 335.972



56, 28.840, 25.972



56, 28.840, 155.972



56, 28.840, 205.972

Sweetspot

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



56, 28.838, 335.973



83, 10.459, 334.399



53, 30.701, 303.291



44, 7.334, 334.501



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



56, 28.838, 335.973



68, 43.170, 336.536



55, 22.158, 5.359



33, 5.253, 334.408



33, 62.159, 343.686



2, 9.023, 336.919

Inverse Universe

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



56, 28.838, 335.973



68, 43.170, 336.536



66, 19.673, 179.144



33, 5.253, 334.408



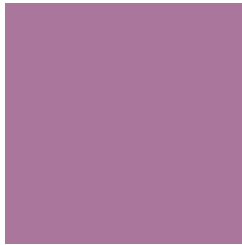
33, 62.159, 343.686



2, 9.023, 336.919

Previews

White Background



This preview shows how the CIELCh color 56, 28.840, 335.972 looks on a white background.

Color Contrast Check

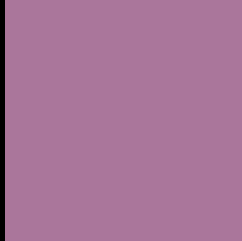
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 28.840, 335.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

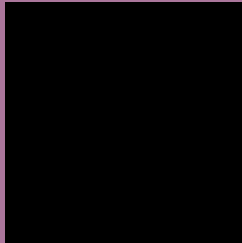
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 28.840, 335.972

Background



This preview shows how black text looks on a background with the CIELCh color 56, 28.840, 335.972.



This preview shows how white text looks on a background with the CIELCh color 56, 28.840, 335.972.

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, 28.840, 335.972

Protanopia

56, 18.392, 285.739

Deuteranopia

56, 13.012, 304.938



Tritanopia

56, 19.128, 4.437

Trichromacy



Original Color
56, 28.840, 335.972

Protanomaly
56, 19.803, 308.458

Deuteranomaly
56, 18.508, 321.309

Tritanomaly
56, 21.530, 351.934

Monochromacy



Original Color
56, 28.840, 335.972

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 10.523, 335.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 28.840, 335.972 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(170, 118, 155)` looks like.

```
.text, #text, p{  
    color:rgb(170, 118, 155)  
}
```

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(170, 118, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 118, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 28.840, 335.972 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(170, 118, 155) }
```

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

```
.border{ border-color:rgb(170, 118, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 118, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 118, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 118, 155);  
box-shadow:4px 4px 4px 4px rgb(170, 118,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 28.840, 335.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 118, 155) }
```

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

```
.background{ background-color: rgb(170,  
118, 155) }
```

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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