

Converting Colors

CIELCh(56, 41.428, 319.926)

Have a look what the booklet for
CIELCh(56, 41.428, 319.926)
contains.

CIELCh(56, 41.168, 319.900)	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(56, 41.168, 319.900)

Conversions

Conversions Part 1

Format	Color
Hex	A774B5
RGB	167, 116, 181
RGB Percent	65%, 45%, 71%
CMY	0.3465, 0.5464, 0.2916
CMYK	0.08, 0.36, 0.00, 0.29
HSL	287°, 30%, 58%
HSV	287°, 36%, 71%
XYZ	30.3724, 23.9124, 46.5396
YIQ	138.6590, 9.5310, 31.0270

Conversions

Conversions Part 2

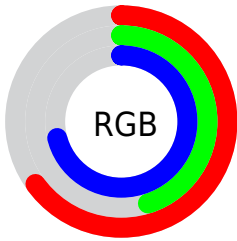
Format	Color
RYB	167, 116, 181
Decimal	10974389
CIELab	56.00, 31.49, -26.52
CIELCh	56, 41.168, 319.900
Yxy	23.9124, 0.3012, 0.2372
Android (android.graphics.Color)	4289164469 (0xFFA774B5)
YUV	138.6590, 20.8741, 24.8551
Hunter-Lab	48.9003, 25.2921, -22.1975

Details

The CIELCh color $56, 41.168, 319.900$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $69, 40.462, 136.443$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 41.007, 319.908$, and $36, 41.563, 320.006$ is the 20% darker color. If you saturate the color by 10%, you get $52, 52.397, 320.289$, and if you desaturate by 10%, it is $61, 29.665, 319.473$.

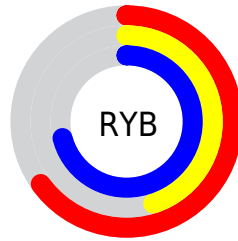
Distribution



Red (65%)

Green (45%)

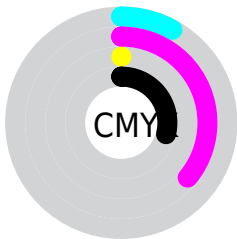
Blue (71%)



Red (65%)

Yellow (45%)

Blue (71%)

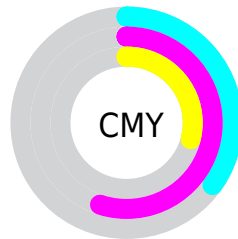


Cyan (8%)

Magenta (36%)

Yellow (0%)

Black (29%)



Cyan (35%)


Magenta (55%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 41.168, 319.900 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, 41.168, 319.900 by changing the saturation by 10% instead.


 56, 41.168,
319.900


 56, 41.168,
319.900


 100, 41.168,
319.900


 46, 41.168,
319.900


 76, 41.168,
319.900

 36, 41.168,
319.900

 86, 41.168,
319.900

 26, 41.168,
319.900

 96, 41.168,
319.900

 16, 41.168,
319.900

 6, 41.168, 319.900

 0, 41.168, 319.900

56, 41.168,
319.900

56, 41.168,
319.900

52, 52.397,
320.289

61, 29.665,
319.473

47, 63.016,
320.609

66, 18.131,
319.030

44, 72.577,
320.820

71, 6.719, 318.575

41, 80.556,
320.878

76, 4.474, 138.223

38, 86.453,
320.734

81, 15.395,
137.791

37, 90.005,
320.357

86, 26.015,
137.409

36, 91.121,
320.178

91, 36.327,
137.058

95, 43.288,
136.395

■ 95, 42.599,
134.851

Harmonies

Complementary

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



56, 41.168, 319.900



69, 40.462, 136.443

Rectangle

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



56, 41.168, 319.900



56, 41.168, 9.900



56, 41.168, 139.900



56, 41.168, 189.900

Sweetspot

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



56, 41.166, 319.900



86, 15.385, 318.815



55, 29.430, 284.722



45, 10.341, 318.875



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



56, 41.166, 319.900



67, 60.707, 320.206



57, 35.673, 336.189



35, 6.333, 318.731



30, 80.579, 320.274



2, 14.849, 315.676

Inverse Universe

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



56, 27.646, 6.293



67, 41.321, 7.645



68, 35.327, 150.646



35, 4.066, 2.879



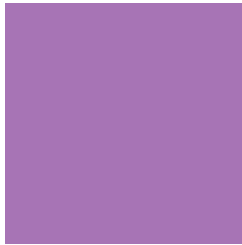
32, 62.389, 27.375



2, 9.449, 5.845

Previews

White Background



This preview shows how the CIELCh color 56, 41.168, 319.900 looks on a white background.

Color Contrast Check

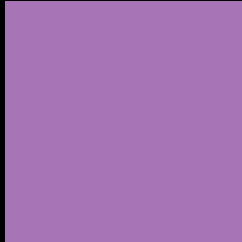
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.168, 319.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

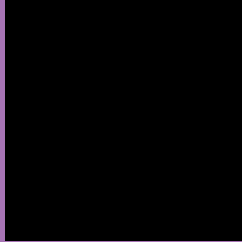
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 41.168, 319.900

Background



This preview shows how black text looks on a background with the CIELCh color 56, 41.168, 319.900.

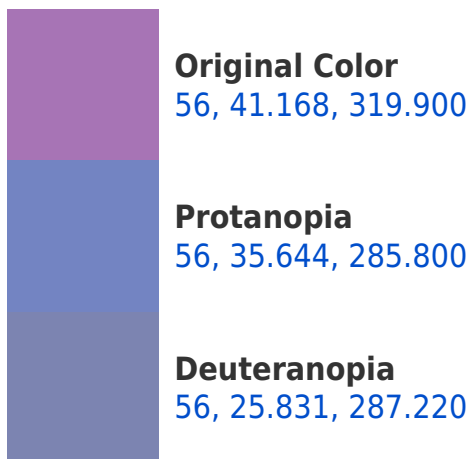


This preview shows how white text looks on a background with the CIELCh color 56, 41.168, 319.900.

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
56, 15.175, 359.163

Trichromacy



Original Color
56, 41.168, 319.900

Protanomaly
56, 36.313, 298.422

Deuteranomaly
56, 30.338, 302.711

Tritanomaly
56, 22.994, 333.958

Monochromacy



Original Color
56, 41.168, 319.900

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 15.389, 317.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 41.168, 319.900 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(167, 116, 181)` looks like.

```
.text, #text, p{  
    color:rgb(167, 116, 181)  
}
```

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(167, 116, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 116, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 41.168, 319.900 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(167, 116, 181) }
```

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

```
.border{ border-color:rgb(167, 116, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 116, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 116, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 116, 181);  
box-shadow:4px 4px 4px 4px rgb(167, 116,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 41.168, 319.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 116, 181) }
```

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

```
.background{ background-color: rgb(167,  
116, 181) }
```

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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