

Converting Colors

CIELCh(55, 39.449, 321.329)

Have a look what the booklet for
CIELCh(55, 39.449, 321.329)
contains.

CIELCh(55, 39.836, 321.044)	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(55, 39.836, 321.044)

Conversions

Conversions Part 1

Format	Color
Hex	A471AF
RGB	164, 113, 175
RGB Percent	64%, 44%, 69%
CMY	0.3554, 0.5555, 0.3123
CMYK	0.06, 0.35, 0.00, 0.31
HSL	289°, 28%, 57%
HSV	289°, 35%, 69%
XYZ	29.1048, 22.9298, 43.6405
YIQ	135.3170, 10.4940, 30.0940

Conversions

Conversions Part 2

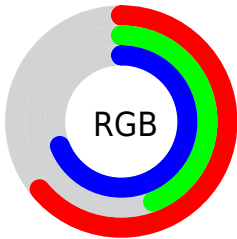
Format	Color
RYB	164, 113, 175
Decimal	10777007
CIELab	55.00, 30.98, -25.05
CIELCh	55, 39.836, 321.044
Yxy	22.9298, 0.3042, 0.2397
Android (android.graphics.Color)	4288967087 (0xFFA471AF)
YUV	135.3170, 19.5637, 25.1550
Hunter-Lab	47.8851, 24.6943, -20.5148

Details

The CIELCh color $55, 39.836, 321.044$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $67, 39.311, 137.530$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 39.727, 321.002$, and $35, 39.487, 321.086$ is the 20% darker color. If you saturate the color by 10%, you get $51, 50.832, 321.441$, and if you desaturate by 10%, it is $60, 28.543, 320.609$.

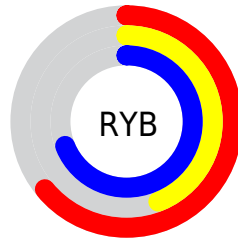
Distribution



Red (64%)

Green (44%)

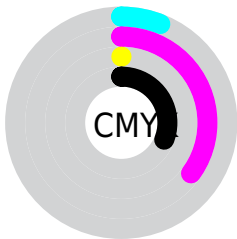
Blue (69%)



Red (64%)

Yellow (44%)

Blue (69%)

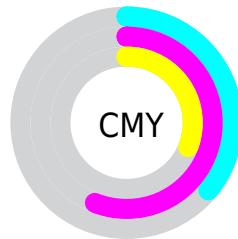


Cyan (6%)

Magenta (35%)

Yellow (0%)

Black (31%)



Cyan (36%)


Magenta (56%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 39.836, 321.044 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 55, 39.836, 321.044 by changing the saturation by 10% instead.


 55, 39.836,
321.044


 55, 39.836,
321.044


 100, 39.836,
321.044


 45, 39.836,
321.044


 75, 39.836,
321.044

 35, 39.836,
321.044

 85, 39.836,
321.044

 25, 39.836,
321.044

 95, 39.836,
321.044

 15, 39.836,
321.044

 5, 39.836, 321.044

 0, 39.836, 321.044

55, 39.836,
321.044

55, 39.836,
321.044

51, 50.832,
321.441

60, 28.543,
320.609

47, 61.201,
321.772

64, 17.197,
320.157

43, 70.507,
322.002

69, 5.958, 319.688

40, 78.253,
322.091

74, 5.077, 139.324

38, 83.980,
322.000

79, 15.847,
138.882

37, 87.439,
321.702

84, 26.324,
138.486

36, 88.648,
321.531

89, 36.495,
138.118

94, 46.362,
137.779

■ 94, 46.582,
136.754

Harmonies

Complementary

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



55, 39.836, 321.044



67, 39.311, 137.530

Rectangle

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



55, 39.836, 321.044



55, 39.836, 11.044



55, 39.836, 141.044



55, 39.836, 191.044

Sweetspot

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



55, 39.834, 321.044



84, 15.136, 319.965



53, 29.394, 286.470



44, 10.263, 320.026



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



55, 39.834, 321.044



66, 58.161, 321.341



56, 33.491, 337.595



34, 6.249, 319.877



31, 79.164, 321.608



2, 12.858, 317.472

Inverse Universe

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



55, 26.341, 9.057



66, 39.093, 10.322



67, 33.060, 152.000



34, 3.918, 5.766



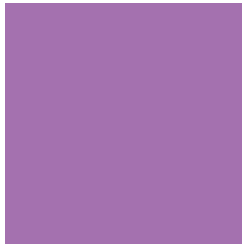
31, 63.089, 30.166



2, 7.994, 7.557

Previews

White Background



This preview shows how the CIELCh color 55, 39.836, 321.044 looks on a white background.

Color Contrast Check

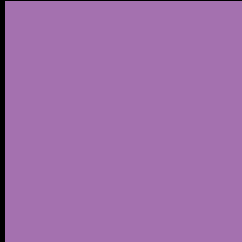
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 39.836, 321.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

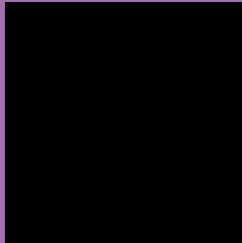
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 39.836, 321.044

Background



This preview shows how black text looks on a background with the CIELCh color 55, 39.836, 321.044.

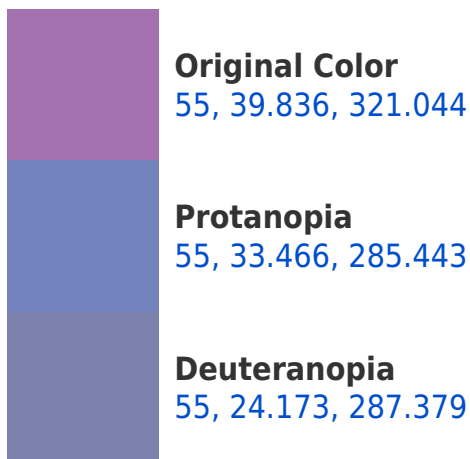


This preview shows how white text looks on a background with the CIELCh color 55, 39.836, 321.044.

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
55, 15.620, 359.836

Trichromacy



Original Color
55, 39.836, 321.044

Protanomaly
55, 34.144, 298.562

Deuteranomaly
55, 28.735, 303.191

Tritanomaly
55, 22.935, 335.761

Monochromacy



Original Color
55, 39.836, 321.044

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 14.424, 319.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 39.836, 321.044 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(164, 113, 175)` looks like.

```
.text, #text, p{  
    color:rgb(164, 113, 175)  
}
```

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(164, 113, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 113, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 39.836, 321.044 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(164, 113, 175) }
```

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

```
.border{ border-color:rgb(164, 113, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 113, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 113, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 113, 175);  
box-shadow:4px 4px 4px 4px rgb(164, 113,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 39.836, 321.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 113, 175) }
```

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

```
.background{ background-color: rgb(164,  
113, 175) }
```

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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