

# Converting Colors

CIELCh(55, 44.383, 311.941)

Have a look what the booklet for  
CIELCh(55, 44.383, 311.941)  
contains.

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**Color**

**CIELCh(55, 44.546, 311.879)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A73BD
RGB	154, 115, 189
RGB Percent	60%, 45%, 74%
CMY	0.3947, 0.5477, 0.2574
CMYK	0.18, 0.39, 0.00, 0.26
HSL	272°, 36%, 60%
HSV	272°, 39%, 74%
XYZ	28.7846, 22.9298, 51.2552
YIQ	135.0970, -0.5100, 31.2820

# Conversions

## Conversions Part 2

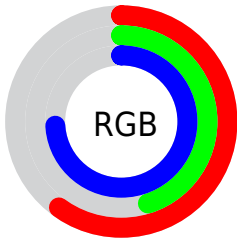
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	154, 115, 189
Decimal	10122173
CIELab	55.00, 29.74, -33.17
CIELCh	55, 44.546, 311.879
Yxy	22.9298, 0.2795, 0.2227
Android (android.graphics.Color)	4288312253 (0xFF9A73BD)
YUV	135.0970, 26.5742, 16.5779
Hunter-Lab	47.8851, 23.5006, -29.9432

# Details

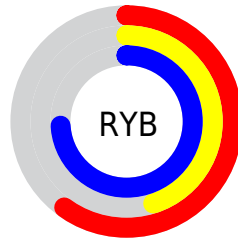
The CIELCh color  $55, 44.546, 311.879$  is a light color, and the websafe version is hex  $996699$ . A complement of this color would be  $72, 42.286, 128.207$ , and the grayscale version is  $56, 0.007, 296.813$ .

A 20% lighter version of the original color is  $75, 44.404, 311.477$ , and  $35, 44.347, 311.798$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 56.230, 312.381$ , and if you desaturate by 10%, it is  $60, 32.841, 311.365$ .

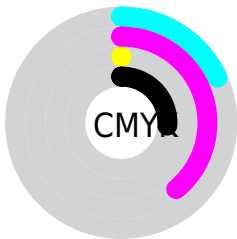
# Distribution



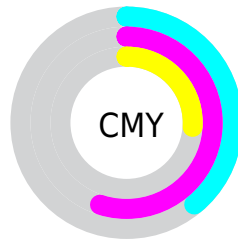
- Red (60%)
- Green (45%)
- Blue (74%)



- Red (60%)
- Yellow (45%)
- Blue (74%)



- Cyan (18%)
- Magenta (39%)
- Yellow (0%)
- Black (26%)




- Cyan (39%)
- Magenta (55%)
- Yellow (26%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 44.546, 311.879 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, 44.546, 311.879 by changing the saturation by 10% instead.




 55, 44.546,  
311.879


 55, 44.546,  
311.879


 100, 44.546,  
311.879


 45, 44.546,  
311.879


 75, 44.546,  
311.879

 35, 44.546,  
311.879

 85, 44.546,  
311.879

 25, 44.546,  
311.879

 95, 44.546,  
311.879

 15, 44.546,  
311.879

 5, 44.546, 311.879

 0, 44.546, 311.879

55, 44.546,  
311.879

55, 44.546,  
311.879

50, 56.230,  
312.381

60, 32.841,  
311.365

45, 67.601,  
312.828

66, 21.297,  
310.865

40, 78.191,  
313.157

72, 10.010,  
310.391

36, 87.347,  
313.278

77, 0.973, 130.098

33, 94.307,  
313.087

83, 11.632,  
129.595

31, 98.816,  
312.558

89, 21.964,  
129.242

30, 99.200,  
312.512

94, 31.977,  
128.932

97, 34.927,  
125.762

■ 97, 33.974,  
120.517

# Harmonies

# Complementary

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



55, 44.546, 311.879



72, 42.286, 128.207

# Rectangle

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



55, 44.546, 311.879



55, 44.546, 1.879



55, 44.546, 131.879



55, 44.546, 181.879

# Sweetspot

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



55, 44.544, 311.879



89, 16.478, 310.535



61, 23.891, 263.862



47, 11.039, 310.598



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



55, 44.544, 311.879



65, 66.853, 312.316



59, 48.134, 326.985



37, 6.223, 310.403



25, 86.685, 312.666



2, 18.161, 305.930



# Inverse Universe

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



57, 34.535, 349.102



69, 51.290, 350.320



71, 48.219, 141.955



37, 4.892, 345.883



34, 59.134, 3.998



3, 13.747, 353.193



# Previews

## White Background



This preview shows how the CIELCh color 55, 44.546, 311.879 looks on a white background.

## Color Contrast Check

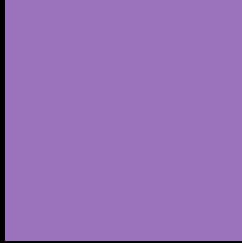
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.546, 311.879 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

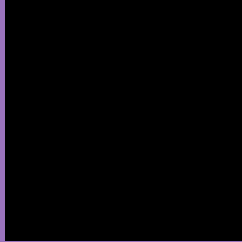
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 55, 44.546, 311.879**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 55, 44.546, 311.879.

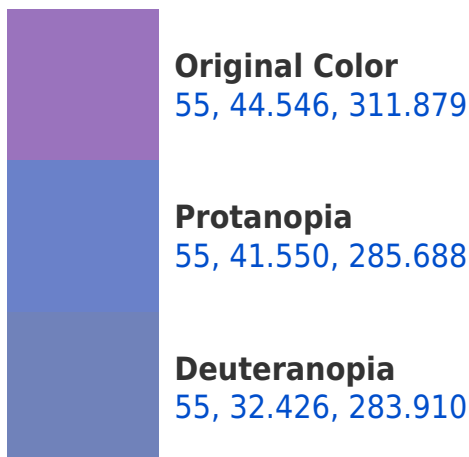


This preview shows how white text looks on a background with the CIELCh color 55, 44.546, 311.879.

# 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, 9.155, 346.159

# Trichromacy



**Original Color**  
55, 44.546, 311.879

**Protanomaly**  
55, 41.982, 295.001

**Deuteranomaly**  
55, 35.705, 295.351

**Tritanomaly**  
55, 20.904, 320.081

# Monochromacy



**Original Color**  
55, 44.546, 311.879

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
56, 16.435, 310.481

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 44.546, 311.879 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(154, 115, 189)` looks like.

```
.text, #text, p{  
    color:rgb(154, 115, 189)  
}
```

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(154, 115, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 115, 189) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 44.546, 311.879 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(154, 115, 189) }
```

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

```
.border{ border-color:rgb(154, 115, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 115, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 115, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 115, 189);  
box-shadow:4px 4px 4px 4px rgb(154, 115,  
189) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 44.546, 311.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 115, 189) }
```

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

```
.background{ background-color: rgb(154,  
115, 189) }
```

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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