

# Converting Colors

CIELCh(55, 26.739, 306.209)

Have a look what the booklet for  
CIELCh(55, 26.739, 306.209)  
contains.

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# Color

**CIELCh(55, 26.704, 306.199)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8D7CA9
RGB	141, 124, 169
RGB Percent	55%, 49%, 66%
CMY	0.4472, 0.5138, 0.3374
CMYK	0.17, 0.27, 0.00, 0.34
HSL	263°, 21%, 57%
HSV	263°, 27%, 66%
XYZ	25.3402, 22.9298, 40.6092
YIQ	134.2130, -4.3130, 17.5990

# Conversions

## Conversions Part 2

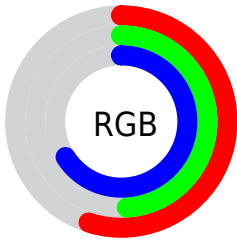
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	141, 124, 169
Decimal	9272489
CIE Lab	55.00, 15.77, -21.55
CIE LCh	55, 26.704, 306.199
Yxy	22.9298, 0.2851, 0.2580
Android (android.graphics.Color)	4287462569 (0xFF8D7CA9)
YUV	134.2130, 17.1500, 5.9522
Hunter-Lab	47.8851, 10.6609, -16.7615

# Details

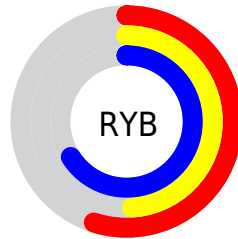
The CIELCh color  $55, 26.704, 306.199$  is a dark color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $67, 25.498, 123.329$ , and the grayscale version is  $56, 0.007, 296.813$ .

A 20% lighter version of the original color is  $75, 26.268, 306.046$ , and  $35, 26.907, 306.065$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 37.266, 306.876$ , and if you desaturate by 10%, it is  $60, 16.416, 305.577$ .

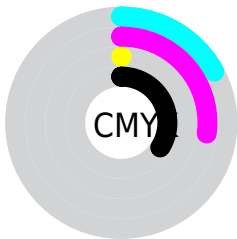
# Distribution



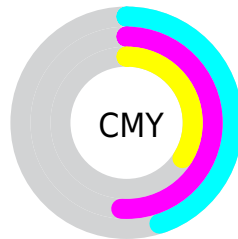
- Red (55%)
- Green (49%)
- Blue (66%)



- Red (55%)
- Yellow (49%)
- Blue (66%)



- Cyan (17%)
- Magenta (27%)
- Yellow (0%)
- Black (34%)




- Cyan (45%)
- Magenta (51%)
- Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 26.704, 306.199 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, 26.704, 306.199 by changing the saturation by 10% instead.




 55, 26.704,  
306.199


 55, 26.704,  
306.199


 100, 26.704,  
306.199


 45, 26.704,  
306.199


 75, 26.704,  
306.199

 35, 26.704,  
306.199

 85, 26.704,  
306.199

 25, 26.704,  
306.199

 95, 26.704,  
306.199

 15, 26.704,  
306.199

 5, 26.704, 306.199

 0, 26.704, 306.199

55, 26.704,  
306.199

55, 26.704,  
306.199

50, 37.266,  
306.876

60, 16.416,  
305.577

45, 48.018,  
307.594

66, 6.443, 305.013

39, 58.782,  
308.318

71, 3.207, 124.550

35, 69.230,  
308.989

76, 12.538,  
124.100

30, 78.815,  
309.512

82, 21.561,  
123.718

27, 86.748,  
309.753

87, 30.292,  
123.388


24, 92.286,  
309.597

92, 38.746,  
123.103

23, 93.970,

96, 44.675,  
121.740

309.550

 97, 43.749,  
116.745

# Harmonies

# Complementary

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



55, 26.704, 306.199



67, 25.498, 123.329

# Rectangle

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



55, 26.704, 306.199



55, 26.704, 356.199



55, 26.704, 126.199



55, 26.704, 176.199

# Sweetspot

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



55, 26.703, 306.199



82, 9.632, 305.095



61, 13.347, 243.035



43, 6.851, 305.175



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



55, 26.703, 306.199



66, 40.021, 306.595



57, 29.406, 321.989



33, 5.503, 305.158



20, 85.098, 309.664



1, 9.823, 302.740



# Inverse Universe

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



57, 23.515, 339.665



70, 34.936, 340.196



65, 29.183, 139.300



33, 4.930, 338.244



32, 59.025, 350.464

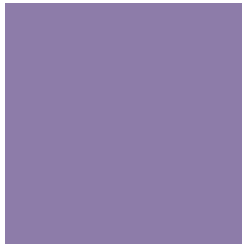


2, 8.437, 341.334



# Previews

## White Background



This preview shows how the CIELCh color 55, 26.704, 306.199 looks on a white background.

## Color Contrast Check

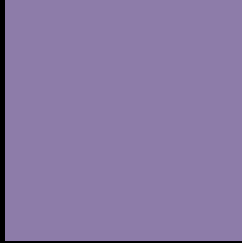
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.704, 306.199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

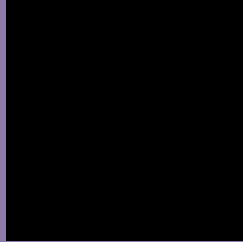
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 55, 26.704, 306.199

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 26.704, 306.199.



This preview shows how white text looks on a background with the CIELCh color 55, 26.704, 306.199.

# 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

55, 26.704, 306.199


### Protanopia

55, 24.830, 285.320

### Deuteranopia

55, 22.427, 290.177





**Tritanopia**  
55, 6.919, 313.981

# Trichromacy



**Original Color**  
55, 26.704, 306.199

**Protanomaly**  
55, 25.311, 293.155

**Deuteranomaly**  
55, 23.684, 296.345

**Tritanomaly**  
55, 14.485, 308.342

# Monochromacy



**Original Color**  
55, 26.704, 306.199

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
55, 10.161, 306.487

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 26.704, 306.199 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(141, 124, 169)` looks like.

```
.text, #text, p{  
    color:rgb(141, 124, 169)  
}
```

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(141, 124, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 124, 169) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 26.704, 306.199 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(141, 124, 169) }
```

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

```
.border{ border-color:rgb(141, 124, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 124, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 124, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 124, 169);  
box-shadow:4px 4px 4px 4px rgb(141, 124,  
169) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 26.704, 306.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 124, 169) }
```

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

```
.background{ background-color: rgb(141,  
124, 169) }
```

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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