

# Converting Colors

CIELCh(55, 27.084, 318.748)

Have a look what the booklet for  
CIELCh(55, 27.084, 318.748)  
contains.

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# Color

**CIELCh(55, 26.919, 318.755)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9979A3
RGB	153, 121, 163
RGB Percent	60%, 47%, 64%
CMY	0.4017, 0.5271, 0.3625
CMYK	0.06, 0.26, 0.00, 0.36
HSL	286°, 19%, 56%
HSV	286°, 26%, 64%
XYZ	26.4106, 22.9298, 37.4758
YIQ	135.3560, 5.5900, 19.8460

# Conversions

## Conversions Part 2

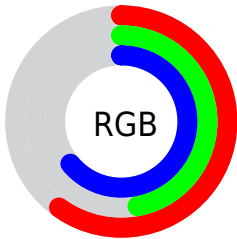
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 121, 163
Decimal	10058147
CIE <sub>Lab</sub>	55.00, 20.24, -17.75
CIE <sub>LCh</sub>	55, 26.919, 318.755
Yxy	22.9298, 0.3042, 0.2641
Android (android.graphics.Color)	4288248227 (0xFF9979A3)
YUV	135.3560, 13.6285, 15.4738
Hunter-Lab	47.8851, 14.6513, -12.8819

# Details

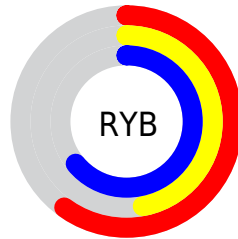
The CIELCh color  $55, 26.919, 318.755$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $64, 26.533, 136.412$ , and the grayscale version is  $56, 0.007, 296.813$ .

A 20% lighter version of the original color is  $75, 26.706, 318.865$ , and  $35, 26.766, 318.528$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 37.446, 319.177$ , and if you desaturate by 10%, it is  $60, 16.383, 318.319$ .

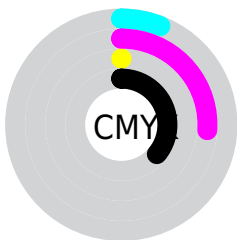
# Distribution



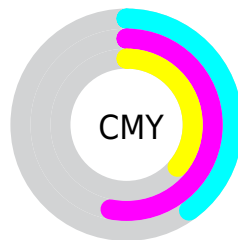
- Red (60%)
- Green (47%)
- Blue (64%)



- Red (60%)
- Yellow (47%)
- Blue (64%)



- Cyan (6%)
- Magenta (26%)
- Yellow (0%)
- Black (36%)




- Cyan (40%)
- Magenta (53%)
- Yellow (36%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 26.919, 318.755 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, 26.919, 318.755 by changing the saturation by 10% instead.





 55, 26.919,  
318.755


 55, 26.919,  
318.755


 100, 26.919,  
318.755


 45, 26.919,  
318.755


 75, 26.919,  
318.755


 35, 26.919,  
318.755

 85, 26.919,  
318.755

 25, 26.919,  
318.755

 95, 26.919,  
318.755

 15, 26.919,  
318.755

 5, 26.919, 318.755

 0, 26.919, 318.755

55, 26.919,  
318.755

55, 26.919,  
318.755

51, 37.446,  
319.177

60, 16.383,  
318.319

46, 47.767,  
319.565

64, 5.976, 317.873

43, 57.584,  
319.886

69, 4.225, 137.529

39, 66.502,  
320.103

73, 14.174,  
137.110

36, 74.045,  
320.166

78, 23.851,  
136.741

34, 79.738,  
320.025

83, 33.248,  
136.402

32, 83.317,  
319.645

88, 42.367,  
136.092

32, 84.558,

92, 51.218,  
135.810

319.466

 94, 53.054,  
134.858

# Harmonies

# Complementary

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



55, 26.919, 318.755



64, 26.533, 136.412

# Rectangle

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



55, 26.919, 318.755



55, 26.919, 8.755



55, 26.919, 138.755



55, 26.919, 188.755

# Sweetspot

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



55, 26.917, 318.755



80, 10.200, 317.980



55, 18.350, 280.809



42, 7.316, 318.045



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



55, 26.917, 318.755



67, 40.147, 319.001



56, 24.117, 334.039



32, 5.842, 318.030



28, 77.872, 319.540



1, 8.888, 316.023



# Inverse Universe

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



55, 17.972, 3.101



67, 27.032, 3.893



63, 23.957, 150.427



32, 3.808, 1.181



30, 59.165, 25.265

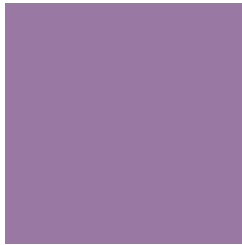


1, 5.748, 2.054



# Previews

## White Background



This preview shows how the CIELCh color 55, 26.919, 318.755 looks on a white background.

## Color Contrast Check

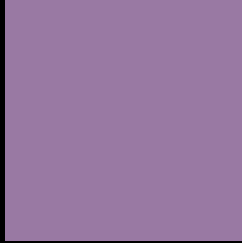
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.919, 318.755 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

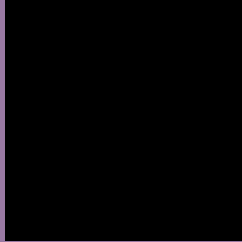
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 55, 26.919, 318.755**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 55, 26.919, 318.755.



This preview shows how white text looks on a background with the CIELCh color 55, 26.919, 318.755.

# 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, 26.919, 318.755

### Protanopia

55, 23.067, 286.103

### Deuteranopia

55, 18.420, 293.477





**Tritanopia**  
55, 10.534, 351.340

# Trichromacy



**Original Color**  
55, 26.919, 318.755

**Protanomaly**  
55, 23.171, 298.117

**Deuteranomaly**  
55, 21.257, 304.371

**Tritanomaly**  
55, 15.754, 331.302

# Monochromacy



**Original Color**  
55, 26.919, 318.755

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
56, 9.636, 317.189

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 26.919, 318.755 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(153, 121, 163)` looks like.

```
.text, #text, p{  
    color:rgb(153, 121, 163)  
}
```

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(153, 121, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 121, 163) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 26.919, 318.755 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(153, 121, 163) }
```

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

```
.border{ border-color:rgb(153, 121, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 121, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 121, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 121, 163);  
box-shadow:4px 4px 4px 4px rgb(153, 121,  
163) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 26.919, 318.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 121, 163) }
```

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

```
.background{ background-color: rgb(153,  
121, 163) }
```

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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