

# Converting Colors

XYZ(62.7854, 54.2119,  
101.7625)

Have a look what the booklet for  
XYZ(62.7854, 54.2119, 101.7625)  
contains.

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# Color

**XYZ(62.7854, 54.2119,  
101.7625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9B3FF
RGB	217, 179, 255
RGB Percent	85%, 70%, 100%
CMY	0.1490, 0.2980, 0.0000
CMYK	0.15, 0.30, 0.00, 0.00
HSL	270°, 100%, 85%
HSV	270°, 30%, 100%
XYZ	62.7854, 54.2119, 101.7625
YIQ	199.0260, -1.7480, 31.6920

# Conversions

## Conversions Part 2

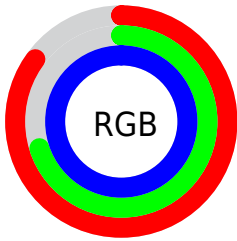
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 179, 255
Decimal	14267391
CIE Lab	78.59, 27.76, -32.46
CIE LCh	79, 42.715, 310.535
Yxy	54.2119, 0.2870, 0.2478
Android (android.graphics.Color)	4292457471 (0xFFD9B3FF)
YUV	199.0260, 27.5952, 15.7632
Hunter-Lab	73.6287, 23.3620, -30.4048

# Details

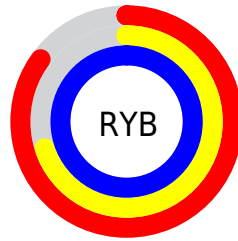
The XYZ color **62.7854, 54.2119, 101.7625** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **72.5129, 89.5268, 56.1087**, and the grayscale version is **54.1408, 56.9604, 62.0298**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **32.3518, 26.5760, 56.8506** is the 20% darker color. If you saturate the color by 10%, you get **54.4951, 43.0411, 100.0433**, and if you desaturate by 10%, it is **72.3167, 67.4280, 103.8111**.

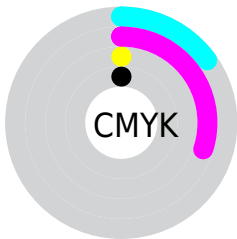
# Distribution



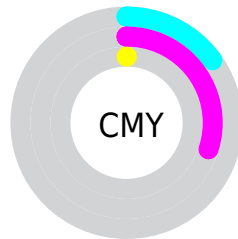
- Red (85%)
- Green (70%)
- Blue (100%)



- Red (85%)
- Yellow (70%)
- Blue (100%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7854, 54.2119, 101.7625 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 XYZ color 62.7854, 54.2119, 101.7625 by changing the saturation by 10% instead.



62.7854, 54.2119,  
101.7625

62.7854, 54.2119,  
101.7625

424.4623,  
402.9175, 587.1236

45.9256, 38.7711,  
77.1482

107.9434, 96.3853,  
165.6501

32.3915, 26.5817,  
56.8622

136.9723,  
123.8867, 205.7605

21.8177, 17.2593,  
40.4860

170.7884,  
156.1771, 251.8734

13.8389, 10.4196,  
27.6010

209.7568,  
193.6408, 304.4073

8.0896, 5.6780,  
17.7887

254.2431,  
236.6624, 363.7807

4.2046, 2.6503,  
10.6305

304.6125,

1.8185, 0.9520,

285.6261, 430.4122

5.7079

361.2305,  
340.9163, 504.7203

■ 0.5288, 0.0000,  
2.6024

■ 0.0000, 0.0000,  
0.8937

■ 62.7854, 54.2119,  
101.7625

■ 62.7854, 54.2119,  
101.7625

■ 54.4951, 43.0411,  
100.0433

■ 72.3167, 67.4280,  
103.8111

■ 47.3823, 33.8012,  
98.6347

■ 83.1387, 82.7823,  
106.2045

■ 41.3845, 26.3765,  
97.5177

95.0500, 100.0000,  
108.9000

■ 36.4307, 20.6357,  
96.6707

■ 32.4407, 16.4289,  
96.0690

■ 29.3197, 13.5783,  
95.6833

■ 26.9205, 11.8011,  
95.4667

■ 26.8773, 11.7706,  
95.4631

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.5449, 54.2119, 117.3797



62.7854, 54.2119, 101.7625



68.3548, 54.2119, 75.8725

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.7854, 54.2119, 101.7625



57.1144, 54.2119, 25.2065



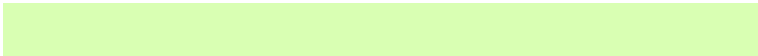
37.1880, 54.2119, 67.9203

# Complementary

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



62.7854, 54.2119, 101.7625



72.5129, 89.5268, 56.1087

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.7156, 54.2119, 44.8808



62.7854, 54.2119, 101.7625



48.6221, 54.2119, 24.1613

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.7854, 54.2119, 101.7625



64.8418, 54.2119, 33.7232



41.7016, 54.2119, 30.3277



40.1720, 54.2119, 94.5949



# Rectangle

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



62.7854, 54.2119, 101.7625



69.4776, 54.2119, 58.5959



41.7016, 54.2119, 30.3277



36.9693, 54.2119, 59.4614

# Sweetspot

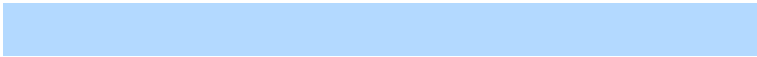
The Sweet Spot groups the original color and five complimentary colors.



62.7870, 54.2141, 101.7629



84.0643, 84.1096, 106.4119



61.4548, 66.4311, 104.1912



17.6352, 17.4899, 22.6964



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



62.7870, 54.2141, 101.7629



57.5057, 47.0554, 100.6595



75.4110, 60.7220, 102.3537



17.8684, 17.8239, 22.7485



14.2161, 6.2392, 49.8896



1.5101, 0.6724, 4.8635



# Inverse Universe

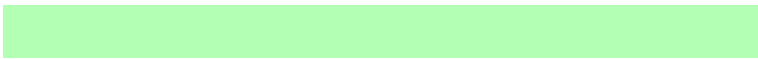
The Inverse Universe completely reimagines the original color for something new.



69.8856, 58.5118, 73.2574



65.8937, 52.1338, 66.9761



62.4886, 84.3591, 55.6396



18.3882, 18.1386, 20.6613



23.6428, 11.9464, 12.0356

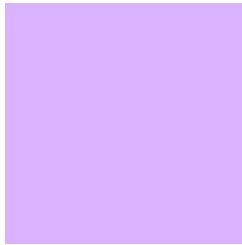


2.3571, 1.1852, 1.4621



# Previews

## White Background



This preview shows how the XYZ color 62.7854, 54.2119, 101.7625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

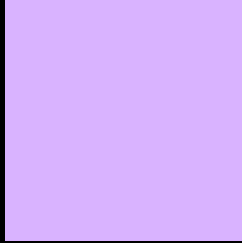
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7854, 54.2119, 101.7625 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 ✓ Pass

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

# XYZ 62.7854, 54.2119, 101.7625

## Background



This preview shows how black text looks on a background with the XYZ color 62.7854, 54.2119, 101.7625.



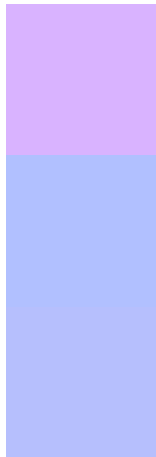
This preview shows how white text looks on a background with the XYZ color 62.7854, 54.2119,



# 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

62.7854, 54.2119, 101.7625

### Protanopia

55.0311, 54.2664, 102.1818

### Deuteranopia

55.6518, 54.2985, 100.4760



## Tritanopia

55.3912, 54.3101, 64.6902

# Trichromacy



## Original Color

62.7854, 54.2119, 101.7625

## Protanomaly

57.5586, 53.9671, 101.9908

## Deuteranomaly

58.1654, 54.2985, 101.1809

## Tritanomaly

57.8196, 54.0227, 77.1920

# Monochromacy



## Original Color

62.7854, 54.2119, 101.7625

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

57.0894, 55.9356, 74.8055

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7854, 54.2119, 101.7625 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(217, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 179, 255)  
}
```

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(217, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 179, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7854, 54.2119, 101.7625 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".

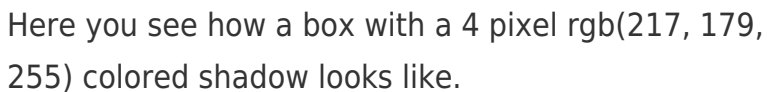
```
.border, #border, table{ border:4px solid rgb(217, 179, 255) }
```



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

```
.border{ border-color:rgb(217, 179, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 179,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7854, 54.2119, 101.7625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 179, 255) }
```

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

```
.background{ background-color: rgb(217,  
179, 255) }
```

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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