

# Converting Colors

XYZ(55.8227, 49.9243, 76.0610)

Have a look what the booklet for  
XYZ(55.8227, 49.9243, 76.0610)  
contains.

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# Color

**XYZ(55.9554, 50.0800,  
75.8245)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5AFDE
RGB	213, 175, 222
RGB Percent	84%, 69%, 87%
CMY	0.1647, 0.3137, 0.1294
CMYK	0.04, 0.21, 0.00, 0.13
HSL	289°, 42%, 78%
HSV	289°, 21%, 87%
XYZ	55.9554, 50.0800, 75.8245
YIQ	191.7200, 7.5610, 22.6730

# Conversions

## Conversions Part 2

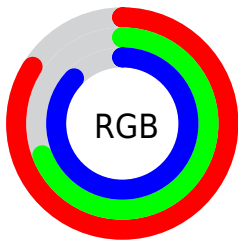
Format	Color
R <sub>Y</sub> B	213, 175, 222
Decimal	14004190
CIE Lab	76.12, 21.99, -18.45
CIE LCh	76, 28.707, 320.007
Yxy	50.0800, 0.3077, 0.2754
Android (android.graphics.Color)	4292194270 (0xFFD5AFDE)
YUV	191.7200, 14.9280, 18.6626
Hunter-Lab	70.7672, 17.2967, -13.9900

# Details

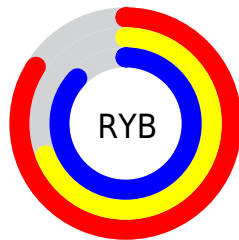
The XYZ color **55.9554, 50.0800, 75.8245** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.6280, 65.5293, 50.3818**, and the grayscale version is **49.8537, 52.4500, 57.1180**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **28.0351, 23.9782, 39.7099** is the 20% darker color. If you saturate the color by 10%, you get **50.7682, 41.5115, 74.4448**, and if you desaturate by 10%, it is **61.8883, 60.0901, 77.4447**.

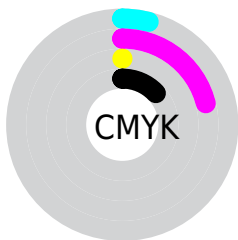
# Distribution



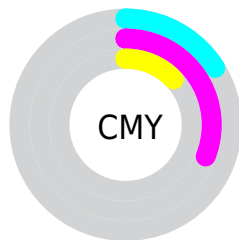
- Red (84%)
- Green (69%)
- Blue (87%)



- Red (84%)
- Yellow (69%)
- Blue (87%)



- Cyan (4%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)



- Cyan (16%)
- Magenta (31%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9554, 50.0800, 75.8245 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 55.9554, 50.0800, 75.8245 by changing the saturation by 10% instead.



■ 55.9554, 50.0800,  
75.8245

■ 55.9554, 50.0800,  
75.8245

399.6012,  
386.9787, 500.0776

■ 40.4040, 35.4770,  
55.7828

■ 98.0796, 90.2934,  
129.2366

■ 28.0393, 24.0305,  
39.6260

125.3830,  
116.6726, 163.4441

■ 18.4959, 15.3563,  
26.9355

157.3346,  
147.7459, 203.2106

■ 11.4084, 9.0698,  
17.2928

194.2996,  
183.8977, 248.9547

■ 6.4116, 4.7867,  
10.2793

236.6434,  
225.5126, 301.0949

■ 3.1399, 2.1227,  
5.4765

284.7314,

■ 1.2282, 0.6773,

272.9747, 360.0498

2.4659

338.9288,  
326.6687, 426.2378

■ 0.1285, 0.0000,  
0.8220

■ 0.0000, 0.0000,  
0.0000

■ 55.9554, 50.0800,  
75.8245

■ 55.9554, 50.0800,  
75.8245

■ 50.7682, 41.5115,  
74.4448

■ 61.8883, 60.0901,  
77.4447

■ 46.2873, 34.3086,  
73.2906

■ 68.5947, 71.5999,  
79.3129

■ 42.4761, 28.3982,  
72.3507

■ 76.1069, 84.6725,  
81.4402

■ 39.2934, 23.6977,  
71.6111

■ 81.5801, 93.6180,  
82.8784

36.6927, 20.1146,  
71.0566

82.9612, 94.3300,  
82.9430

34.6209, 17.5434,  
70.6695

84.3758, 95.0592,  
83.0092

33.0148, 15.8577,  
70.4288

85.8241, 95.8059,  
83.0770

31.8889, 14.9162,  
70.3064

87.3064, 96.5700,  
83.1464

88.8229, 97.3518,  
83.2173

# Harmonies

## Analogous

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



51.2200, 50.0800, 87.2978



55.9554, 50.0800, 75.8245



58.5083, 50.0800, 59.8219

# Triad

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



55.9554, 50.0800, 75.8245



49.4136, 50.0800, 30.2852



38.5425, 50.0800, 65.2834

# Complementary

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



55.9554, 50.0800, 75.8245



53.6280, 65.5293, 50.3818

# 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.



38.1387, 50.0800, 49.5571



55.9554, 50.0800, 75.8245



44.1539, 50.0800, 31.1968

# Square

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



55.9554, 50.0800, 75.8245



54.5479, 50.0800, 34.8680



40.1199, 50.0800, 37.6477



41.2678, 50.0800, 80.4629



# Rectangle

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



55.9554, 50.0800, 75.8245



58.5078, 50.0800, 49.5502



40.1199, 50.0800, 37.6477



38.1391, 50.0800, 59.8298

# Sweetspot

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



55.9569, 50.0822, 75.8256



89.2922, 90.0722, 107.2872



48.0897, 48.8375, 76.0000



18.9832, 19.0578, 22.9280



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.



55.9569, 50.0822, 75.8256



73.6260, 63.6085, 103.0049



56.8286, 50.7408, 66.4102



14.0243, 13.7961, 17.3114



19.0311, 8.9062, 41.7644



1.3861, 0.6518, 2.8980



# Inverse Universe

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



54.1076, 49.6524, 52.0817



70.7595, 62.9644, 65.2101



52.9984, 65.0363, 57.9630



13.8139, 13.7432, 14.7904



18.1775, 9.3380, 2.3346

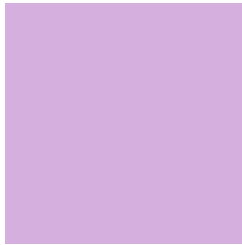


1.2911, 0.6597, 0.3257



# Previews

## White Background



This preview shows how the XYZ color 55.9554, 50.0800, 75.8245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

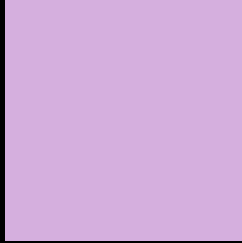
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9554, 50.0800, 75.8245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

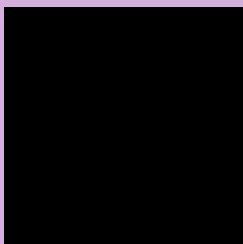
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.9554, 50.0800, 75.8245**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9554, 50.0800, 75.8245.



This preview shows how white text looks on a background with the XYZ color 55.9554, 50.0800,

75.8245.

# 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

55.9554, 50.0800, 75.8245

### Protanopia

50.2019, 50.2960, 81.9251

### Deuteranopia

51.0870, 49.9814, 74.6650



## Tritanopia

52.3534, 50.0929, 57.9485

# Trichromacy



## Original Color

55.9554, 50.0800, 75.8245

## Protanomaly

52.0789, 50.0783, 79.5943

## Deuteranomaly

52.6611, 49.8687, 75.2567

## Tritanomaly

53.3978, 49.9021, 63.9444

# Monochromacy



## Original Color

55.9554, 50.0800, 75.8245

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

52.1578, 51.7090, 63.7317

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9554, 50.0800, 75.8245 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(213, 175, 222)` looks like.

```
.text, #text, p{  
    color:rgb(213, 175, 222)  
}
```

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(213, 175, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 175, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9554, 50.0800, 75.8245 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(213, 175, 222) }
```



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

```
.border{ border-color:rgb(213, 175, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 175, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 175, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 175, 222);  
box-shadow:4px 4px 4px 4px rgb(213, 175,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9554, 50.0800, 75.8245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 175, 222) }
```

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

```
.background{ background-color: rgb(213,  
175, 222) }
```

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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