

Converting Colors

XYZ(49.2485, 39.0053, 59.2133)

Have a look what the booklet for
XYZ(49.2485, 39.0053, 59.2133)
contains.

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Color

**XYZ(49.1955, 38.9755,
58.9630)**

Conversions

Conversions Part 1

Format	Color
Hex	DA90C7
RGB	218, 144, 199
RGB Percent	85%, 56%, 78%
CMY	0.1451, 0.4353, 0.2196
CMYK	0.00, 0.34, 0.09, 0.15
HSL	315°, 50%, 71%
HSV	315°, 34%, 85%
XYZ	49.1955, 38.9755, 58.9630
YIQ	172.3960, 26.4490, 32.7930

Conversions

Conversions Part 2

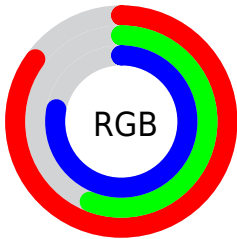
Format	Color
R_{YB}	218, 144, 199
Decimal	14323911
CIE _{Lab}	68.73, 36.22, -16.93
CIE _{LCh}	69, 39.980, 334.953
Yxy	38.9755, 0.3344, 0.2649
Android (android.graphics.Color)	4292513991 (0xFFDA90C7)
YUV	172.3960, 13.1158, 39.9947
Hunter-Lab	62.4304, 31.4059, -12.2958

Details

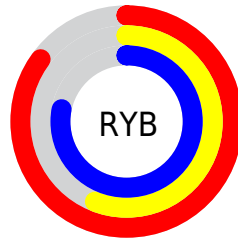
The XYZ color **49.1955, 38.9755, 58.9630** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.1855, 58.7176, 43.7103**, and the grayscale version is **39.3406, 41.3893, 45.0730**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **23.8383, 17.3800, 28.8863** is the 20% darker color. If you saturate the color by 10%, you get **45.5692, 32.7434, 54.6066**, and if you desaturate by 10%, it is **53.4856, 46.4957, 63.6595**.

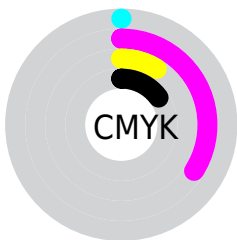
Distribution



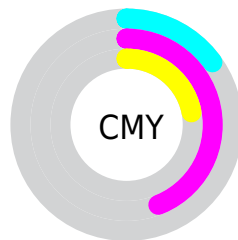
- Red (85%)
- Green (56%)
- Blue (78%)



- Red (85%)
- Yellow (56%)
- Blue (78%)



- Cyan (0%)
- Magenta (34%)
- Yellow (9%)
- Black (15%)





- Cyan (15%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1955, 38.9755, 58.9630 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 49.1955, 38.9755, 58.9630 by changing the saturation by 10% instead.


 49.1955, 38.9755,
58.9630

 49.1955, 38.9755,
58.9630


374.0157,
341.7863, 438.4628

 34.9898, 26.7407,
42.1635


 88.1807, 73.6009,
104.8525

 23.8215, 17.3786,
28.9028


 113.6909, 96.7602,
134.7796

 15.3253, 10.5048,
18.7624


143.7000,
124.3299, 169.9196

 9.1358, 5.7349,
11.3236

178.5732,
156.6942, 210.6911

 4.8877, 2.6846,
6.1681

218.6761,
194.2376, 257.5126

 2.2156, 0.9694,
2.8771

264.3739,

 0.7509, 0.0000,

237.3445, 310.8028

1.0322

316.0319,
286.3993, 370.9800

■ 0.0000, 0.0000,
0.0000

■ 49.1955, 38.9755,
58.9630

■ 49.1955, 38.9755,
58.9630

■ 45.5692, 32.7434,
54.6066

■ 53.4856, 46.4957,
63.6595

■ 42.5660, 27.7203,
50.5742

■ 58.4701, 55.3666,
68.7061

■ 40.1463, 23.8267,
46.8518


■ 64.1819, 65.6530,
74.1157


■ 38.2642, 20.9714,
43.4228


■ 70.6506, 77.4140,
79.8991


■ 36.8668, 19.0487,
40.2681


■ 77.9045, 90.7052,
86.0671


 35.8896, 17.9304,
37.3650

 79.3227, 92.2852,
90.4138

 35.4375, 17.5151,
35.7068

 80.1335, 92.6095,
94.6830

 80.9698, 92.9440,
99.0870

 81.8319, 93.2888,
103.6270

Harmonies

Analogous

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



44.4608, 38.9755, 77.8781



49.1955, 38.9755, 58.9630



50.5348, 38.9755, 39.5002

Triad

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



49.1955, 38.9755, 58.9630



36.0046, 38.9755, 16.3305



27.9418, 38.9755, 65.6909

Complementary

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



49.1955, 38.9755, 58.9630



43.1855, 58.7176, 43.7103

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.



26.1988, 38.9755, 45.5173



49.1955, 38.9755, 58.9630



30.5034, 38.9755, 19.8077

Square

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



49.1955, 38.9755, 58.9630



42.4378, 38.9755, 18.0523



27.0806, 38.9755, 29.3303



32.1296, 38.9755, 82.4743

Rectangle

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



49.1955, 38.9755, 58.9630



49.2057, 38.9755, 29.3710



27.0806, 38.9755, 29.3303



27.0737, 38.9755, 58.8982

Sweetspot

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



49.1967, 38.9773, 58.9638



86.4114, 84.3812, 100.9081



37.6320, 32.7444, 70.6672



18.2544, 17.6275, 21.3673



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.



49.1967, 38.9773, 58.9638



66.2434, 48.8266, 79.4444



45.4543, 37.4803, 39.2566



13.4641, 13.2148, 15.7054



21.2764, 10.5116, 21.6332



1.4126, 0.6947, 1.5817

Inverse Universe

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



49.1967, 38.9773, 58.9638



66.2434, 48.8266, 79.4444



46.9414, 60.2199, 63.4885



13.4641, 13.2148, 15.7054



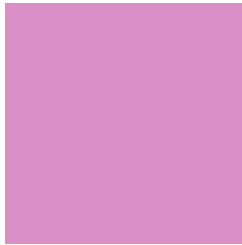
21.2764, 10.5116, 21.6332



1.4126, 0.6947, 1.5817

Previews

White Background



This preview shows how the XYZ color 49.1955, 38.9755, 58.9630 looks on a white background.

Color Contrast Check

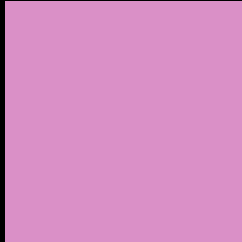
Large Text (above 18pt) WCAG AA × Fail

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 49.1955, 38.9755, 58.9630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

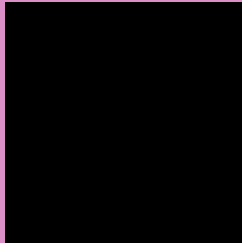
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1955, 38.9755, 58.9630

Background



This preview shows how black text looks on a background with the XYZ color 49.1955, 38.9755, 58.9630.



This preview shows how white text looks on a background with the XYZ color 49.1955, 38.9755,

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

49.1955, 38.9755, 58.9630

Protanopia

39.4841, 39.1954, 69.1028

Deuteranopia

39.9204, 39.1490, 57.0822



Tritanopia

45.3198, 39.0380, 39.3289

Trichromacy



Original Color

49.1955, 38.9755, 58.9630



Protanomaly

42.3259, 38.6409, 65.5492



Deuteranomaly

42.7598, 38.7908, 57.4582



Tritanomaly

46.3521, 38.7220, 45.5885

Monochromacy



Original Color

49.1955, 38.9755, 58.9630



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

42.3501, 40.0369, 49.7518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1955, 38.9755, 58.9630 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(218, 144, 199)` looks like.

```
.text, #text, p{  
    color:rgb(218, 144, 199)  
}
```

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(218, 144, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 144, 199) }
```

Border

The CSS property to change the border of an element to XYZ 49.1955, 38.9755, 58.9630 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(218, 144, 199) }
```


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

```
.border{ border-color:rgb(218, 144, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 144, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 144, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 144, 199);  
box-shadow:4px 4px 4px 4px rgb(218, 144,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1955, 38.9755, 58.9630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 144, 199) }
```

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

```
.background{ background-color: rgb(218,  
144, 199) }
```

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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