

Converting Colors

XYZ(50.0340, 39.4440, 71.3166)

Have a look what the booklet for
XYZ(50.0340, 39.4440, 71.3166)
contains.

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Color

**XYZ(49.9317, 39.3098,
71.2855)**

Conversions

Conversions Part 1

Format	Color
Hex	D491DA
RGB	212, 145, 218
RGB Percent	83%, 57%, 85%
CMY	0.1686, 0.4314, 0.1451
CMYK	0.03, 0.33, 0.00, 0.15
HSL	295°, 50%, 71%
HSV	295°, 33%, 85%
XYZ	49.9317, 39.3098, 71.2855
YIQ	173.3550, 16.4990, 36.9070

Conversions

Conversions Part 2

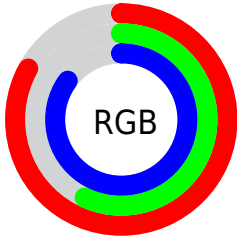
Format	Color
R_{YB}	212, 145, 218
Decimal	13930970
CIE _{Lab}	68.98, 37.17, -27.16
CIE _{LCh}	69, 46.034, 323.850
Yxy	39.3098, 0.3110, 0.2449
Android (android.graphics.Color)	4292121050 (0xFFD491DA)
YUV	173.3550, 22.0100, 33.8917
Hunter-Lab	62.6975, 32.4350, -23.5230

Details

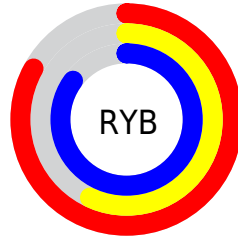
The XYZ color **49.9317, 39.3098, 71.2855** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.9460, 58.7674, 35.8697**, and the grayscale version is **39.7880, 41.8600, 45.5856**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **24.2355, 17.5410, 36.7587** is the 20% darker color. If you saturate the color by 10%, you get **46.4016, 33.0112, 70.2564**, and if you desaturate by 10%, it is **54.1092, 46.8930, 72.5296**.

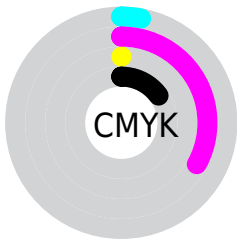
Distribution



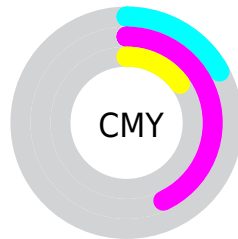
- Red (83%)
- Green (57%)
- Blue (85%)



- Red (83%)
- Yellow (57%)
- Blue (85%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)





- Cyan (17%)
- Magenta (43%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9317, 39.3098, 71.2855 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 49.9317, 39.3098, 71.2855 by changing the saturation by 10% instead.

 49.9317, 39.3098,
71.2855

 49.9317, 39.3098,
71.2855


376.8552,
343.2058, 483.9614

 35.5767, 27.0008,
52.0920


 89.2661, 74.1113,
122.7384

 24.2760, 17.5738,
36.6956

 114.9762, 97.3727,
155.8348

 15.6644, 10.6445,
24.6780


145.2021,
125.0536, 194.4027

 9.3763, 5.8283,
15.6205

180.3091,
157.5386, 238.8604

 5.0465, 2.7410,
9.1046

220.6625,
195.2118, 289.6266

 2.3096, 0.9980,
4.7117

266.6278,

 0.7996, 0.0000,

238.4579, 347.1198

2.0234

318.5702,
287.6611, 411.7586

■ 0.0000, 0.0000,
0.5696

■ 0.0000, 0.0000,
0.0000

■ 49.9317, 39.3098,
71.2855

■ 49.9317, 39.3098,
71.2855

■ 46.4016, 33.0112,
70.2564

■ 54.1092, 46.8930,
72.5296

■ 43.4783, 27.9187,
69.4275

■ 58.9641, 55.8232,
73.9974

■ 41.1228, 23.9533,
68.7863

■ 64.5290, 66.1648,
75.7003

■ 39.2896, 21.0241,
68.3175

■ 70.8334, 77.9768,
77.6479

37.9265, 19.0267,
68.0038

77.9049, 91.3146,
79.8497

36.9700, 17.8341,
67.8240

78.7699, 92.2305,
79.9809

36.4971, 17.3530,
67.7561

79.3240, 92.5162,
80.0068

79.8840, 92.8049,
80.0330

80.4499, 93.0966,
80.0595

Harmonies

Analogous

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



43.3534, 39.3098, 91.3223



49.9317, 39.3098, 71.2855



53.1925, 39.3098, 47.2710

Triad

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



49.9317, 39.3098, 71.2855



38.8924, 39.3098, 13.9146



25.9025, 39.3098, 61.2758

Complementary

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



49.9317, 39.3098, 71.2855



42.9460, 58.7674, 35.8697

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.



25.0336, 39.3098, 38.6234



49.9317, 39.3098, 71.2855



31.9511, 39.3098, 15.4897

Square

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



49.9317, 39.3098, 71.2855



46.3044, 39.3098, 17.7899



27.1028, 39.3098, 23.1405



29.6534, 39.3098, 84.3447

Rectangle

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



49.9317, 39.3098, 71.2855



52.7778, 39.3098, 33.8518



27.1028, 39.3098, 23.1405



25.2860, 39.3098, 53.2045

Sweetspot

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



49.9330, 39.3115, 71.2863



86.6811, 84.4004, 106.3301



35.4136, 33.2436, 70.8804



18.3197, 17.6320, 22.6877



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.



49.9330, 39.3115, 71.2863



67.6642, 49.7071, 100.6359



48.0723, 38.7708, 52.2930



13.5033, 13.2176, 16.4917



21.9093, 10.4189, 40.5947



1.4513, 0.6914, 2.6314

Inverse Universe

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



44.6260, 37.3922, 34.1451



59.0981, 46.6292, 39.7810



44.5286, 59.2750, 49.8682



13.0993, 13.0688, 13.7840



17.4032, 8.9623, 1.2371



1.1429, 0.5868, 0.1613

Previews

White Background



This preview shows how the XYZ color 49.9317, 39.3098, 71.2855 looks on a white background.

Color Contrast Check

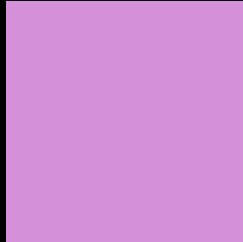
Large Text (above 18pt) WCAG AA × Fail

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 49.9317, 39.3098, 71.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

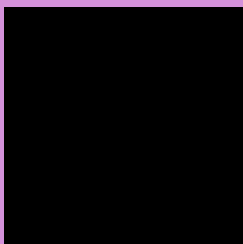
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9317, 39.3098, 71.2855

Background



This preview shows how black text looks on a background with the XYZ color 49.9317, 39.3098, 71.2855.



This preview shows how white text looks on a background with the XYZ color 49.9317, 39.3098,

71.2855.

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

49.9317, 39.3098, 71.2855

Protanopia

40.7002, 39.5088, 83.3227

Deuteranopia

40.2907, 39.3424, 69.0886



Tritanopia

43.8732, 39.2118, 41.8155

Trichromacy



Original Color

49.9317, 39.3098, 71.2855



Protanomaly

43.0250, 38.7131, 78.6035



Deuteranomaly

43.3150, 39.0633, 69.5470



Tritanomaly

45.9420, 39.0883, 51.5778

Monochromacy



Original Color

49.9317, 39.3098, 71.2855



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

42.7760, 40.4333, 53.6940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9317, 39.3098, 71.2855 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(212, 145, 218)` looks like.

```
.text, #text, p{  
    color:rgb(212, 145, 218)  
}
```

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(212, 145, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 145, 218) }
```

Border

The CSS property to change the border of an element to XYZ 49.9317, 39.3098, 71.2855 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(212, 145, 218) }
```


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

```
.border{ border-color:rgb(212, 145, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 145, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 145, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 145, 218);  
box-shadow:4px 4px 4px 4px rgb(212, 145,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9317, 39.3098, 71.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 145, 218) }
```

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

```
.background{ background-color: rgb(212,  
145, 218) }
```

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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