

Converting Colors

XYZ(50.8012, 39.4836, 66.7174)

Have a look what the booklet for
XYZ(50.8012, 39.4836, 66.7174)
contains.

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Color

**XYZ(50.7937, 39.4081,
66.5574)**

Conversions

Conversions Part 1

Format	Color
Hex	DB8FD3
RGB	219, 143, 211
RGB Percent	86%, 56%, 83%
CMY	0.1412, 0.4392, 0.1725
CMYK	0.00, 0.35, 0.04, 0.14
HSL	306°, 51%, 71%
HSV	306°, 35%, 86%
XYZ	50.7937, 39.4081, 66.5574
YIQ	173.4760, 23.4680, 37.2600

Conversions

Conversions Part 2

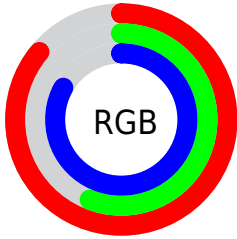
Format	Color
R _Y B	219, 143, 211
Decimal	14389203
CIE Lab	69.05, 39.17, -23.11
CIE LCh	69, 45.481, 329.467
Yxy	39.4081, 0.3240, 0.2514
Android (android.graphics.Color)	4292579283 (0xFFDB8FD3)
YUV	173.4760, 18.4993, 39.9245
Hunter-Lab	62.7759, 34.5715, -18.9184

Details

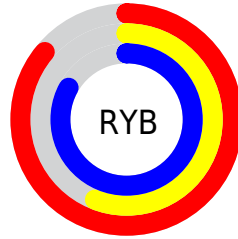
The XYZ color **50.7937, 39.4081, 66.5574** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.2467, 58.7383, 38.3914**, and the grayscale version is **39.8646, 41.9406, 45.6733**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **24.8461, 17.6690, 33.5534** is the 20% darker color. If you saturate the color by 10%, you get **47.5348, 33.3489, 64.0556**, and if you desaturate by 10%, it is **54.7010, 46.7560, 69.2966**.

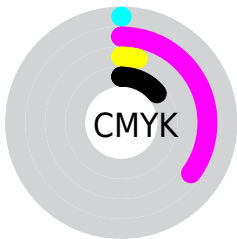
Distribution



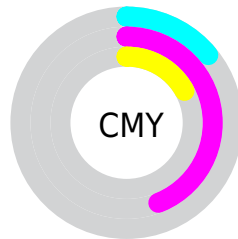
- Red (86%)
- Green (56%)
- Blue (83%)



- Red (86%)
- Yellow (56%)
- Blue (83%)



- Cyan (0%)
- Magenta (35%)
- Yellow (4%)
- Black (14%)





- Cyan (14%)
- Magenta (44%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7937, 39.4081, 66.5574 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 50.7937, 39.4081, 66.5574 by changing the saturation by 10% instead.


 50.7937, 39.4081,
66.5574

 50.7937, 39.4081,
66.5574


380.1626,
343.6225, 466.8262

 36.2648, 27.0774,
48.2657


 90.5346, 74.2613,
115.9206

 24.8099, 17.6313,
33.6759

 116.4773, 97.5526,
147.8292

 16.0634, 10.6856,
22.3693


146.9553,
125.2662, 185.1138

 9.6602, 5.8559,
13.9276

182.3340,
157.7865, 228.1930

 5.2348, 2.7576,
7.9322

222.9787,
195.4979, 277.4852

 2.4218, 1.0065,
3.9644

269.2548,

 0.8560, 0.0000,

238.7847, 333.4092

1.6059

321.5277,
288.0314, 396.3833

■ 0.0000, 0.0000,
0.2950

■ 0.0000, 0.0000,
0.0000

■ 50.7937, 39.4081,
66.5574

■ 50.7937, 39.4081,
66.5574

■ 47.5348, 33.3489,
64.0556

■ 54.7010, 46.7560,
69.2966

■ 44.8830, 28.4980,
61.7762

■ 59.2873, 55.4561,
72.2822

■ 42.7982, 24.7744,
59.7060

■ 64.5861, 65.5743,
75.5260

■ 41.2337, 22.0850,
57.8295

■ 70.6272, 77.1706,
79.0379

40.1356, 20.3217,
56.1285

77.4389, 90.3013,
82.8275

39.4378, 19.3526,
54.5811

78.5417, 92.0074,
84.7349

39.1715, 19.0433,
53.8037

78.8581, 92.1340,
86.4012

79.1788, 92.2623,
88.0899

79.5038, 92.3923,
89.8012

Harmonies

Analogous

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



44.7416, 39.4081, 87.9039



50.7937, 39.4081, 66.5574



53.1983, 39.4081, 43.2809

Triad

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



50.7937, 39.4081, 66.5574



37.5860, 39.4081, 14.0860



26.5821, 39.4081, 65.6997

Complementary

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



50.7937, 39.4081, 66.5574



42.2467, 58.7383, 38.3914

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.



25.1733, 39.4081, 42.5386



50.7937, 39.4081, 66.5574



31.0080, 39.4081, 16.6888

Square

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



50.7937, 39.4081, 66.5574



44.9948, 39.4081, 16.8873



26.6853, 39.4081, 25.6528



30.8105, 39.4081, 87.3065

Rectangle

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



50.7937, 39.4081, 66.5574



52.1984, 39.4081, 30.9301



26.6853, 39.4081, 25.6528



25.7893, 39.4081, 57.6384

Sweetspot

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



50.7949, 39.4099, 66.5582



87.0186, 84.6240, 104.1055



35.2988, 31.3025, 71.2002



18.4021, 17.6865, 22.1452



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.



50.7949, 39.4099, 66.5582



68.1017, 48.9234, 91.2232



46.6189, 37.7394, 44.5675



13.5522, 13.2500, 16.1693



23.2508, 11.3014, 32.0305



1.5236, 0.7391, 2.1664

Inverse Universe

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



50.7949, 39.4099, 66.5582



68.1017, 48.9234, 91.2232



45.8026, 60.1606, 57.1164



13.5522, 13.2500, 16.1693



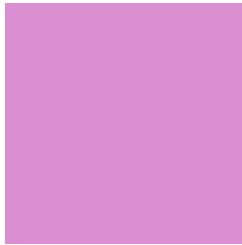
23.2508, 11.3014, 32.0305



1.5236, 0.7391, 2.1664

Previews

White Background



This preview shows how the XYZ color 50.7937, 39.4081, 66.5574 looks on a white background.

Color Contrast Check

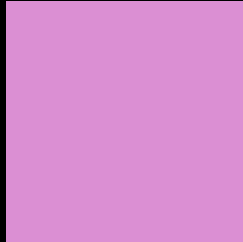
Large Text (above 18pt) WCAG AA × Fail

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 50.7937, 39.4081, 66.5574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

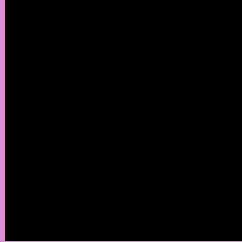
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7937, 39.4081, 66.5574

Background



This preview shows how black text looks on a background with the XYZ color 50.7937, 39.4081, 66.5574.



This preview shows how white text looks on a background with the XYZ color 50.7937, 39.4081,

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

50.7937, 39.4081, 66.5574

Protanopia

40.5848, 39.8182, 78.9454

Deuteranopia

40.4435, 39.5223, 64.5284



Tritanopia

45.3696, 39.2829, 40.3131

Trichromacy



Original Color

50.7937, 39.4081, 66.5574



Protanomaly

43.3162, 38.9578, 74.3438



Deuteranomaly

43.4497, 38.9823, 64.9088



Tritanomaly

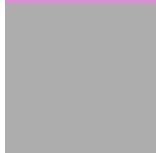
47.1123, 39.2782, 48.8144

Monochromacy



Original Color

50.7937, 39.4081, 66.5574



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

43.1252, 40.3757, 52.5340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7937, 39.4081, 66.5574 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(219, 143, 211)` looks like.

```
.text, #text, p{  
    color:rgb(219, 143, 211)  
}
```

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(219, 143, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 143, 211) }
```

Border

The CSS property to change the border of an element to XYZ 50.7937, 39.4081, 66.5574 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(219, 143, 211) }
```


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

```
.border{ border-color:rgb(219, 143, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 143, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 143, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 143, 211);  
box-shadow:4px 4px 4px 4px rgb(219, 143,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7937, 39.4081, 66.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 143, 211) }
```

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

```
.background{ background-color: rgb(219,  
143, 211) }
```

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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