

Converting Colors

XYZ(46.2330, 39.7567, 50.0368)

Have a look what the booklet for
XYZ(46.2330, 39.7567, 50.0368)
contains.

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Color

**XYZ(46.2330, 39.7567,
50.0368)**

Conversions

Conversions Part 1

Format	Color
Hex	D199B7
RGB	209, 153, 183
RGB Percent	82%, 60%, 72%
CMY	0.1804, 0.4000, 0.2823
CMYK	0.00, 0.27, 0.12, 0.18
HSL	328°, 38%, 71%
HSV	328°, 27%, 82%
XYZ	46.2330, 39.7567, 50.0368
YIQ	173.1640, 23.7460, 21.2020

Conversions

Conversions Part 2

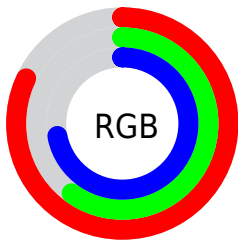
Format	Color
R _Y B	209, 153, 183
Decimal	13736375
CIE Lab	69.30, 25.57, -7.28
CIE LCh	69, 26.585, 344.116
Yxy	39.7567, 0.3399, 0.2923
Android (android.graphics.Color)	4291926455 (0xFFD199B7)
YUV	173.1640, 4.8491, 31.4282
Hunter-Lab	63.0529, 20.5410, -2.9136

Details

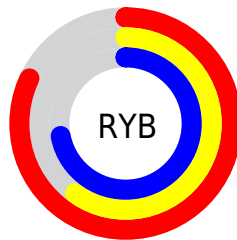
The XYZ color **46.2330, 39.7567, 50.0368** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.0757, 55.6290, 51.0649**, and the grayscale version is **39.7727, 41.8440, 45.5681**.

A 20% lighter version of the original color is **79.3759, 72.6037, 91.4917**, and **22.0094, 17.7891, 23.3927** is the 20% darker color. If you saturate the color by 10%, you get **42.1318, 33.1151, 43.8571**, and if you desaturate by 10%, it is **51.0053, 47.6280, 56.7847**.

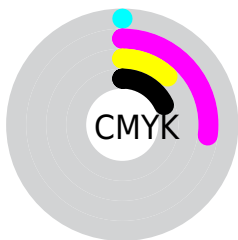
Distribution



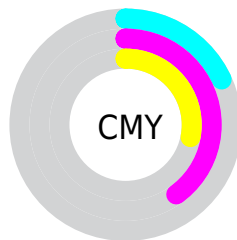
- Red (82%)
- Green (60%)
- Blue (72%)



- Red (82%)
- Yellow (60%)
- Blue (72%)



- Cyan (0%)
- Magenta (27%)
- Yellow (12%)
- Black (18%)





- Cyan (18%)
- Magenta (40%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2330, 39.7567, 50.0368 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 46.2330, 39.7567, 50.0368 by changing the saturation by 10% instead.


 46.2330, 39.7567,
50.0368


 46.2330, 39.7567,
50.0368

362.4449,
345.0970, 403.5490

 32.6351, 27.3489,
35.0713


 83.7933, 74.7929,
91.6263

 22.0050, 17.8354,
23.4338


 108.4865, 98.1901,
119.0873

 13.9772, 10.8319,
14.7058


137.6088,
126.0191, 151.5505

 8.1864, 5.9539,
8.4689

171.5256,
158.6645, 189.4345

 4.2673, 2.8171,
4.3044

210.6022,
196.5106, 233.1578

 1.8544, 1.0370,
1.7938

255.2041,

 0.5501, 0.0000,

239.9418, 283.1390

0.4238

305.6965,
289.3425, 339.7965

■ 0.0000, 0.0000,
0.0000

■ 46.2330, 39.7567,
50.0368

■ 46.2330, 39.7567,
50.0368

■ 42.1318, 33.1151,
43.8571

■ 51.0053, 47.6280,
56.7847

■ 38.6656, 27.6347,
38.2254

■ 56.4755, 56.7821,
64.1152

■ 35.8001, 23.2487,
33.1235

■ 62.6732, 67.2755,
72.0450

■ 33.4960, 19.8809,
28.5312

■ 69.6253, 79.1598,
80.5893

■ 31.7091, 17.4455,
24.4260

■ 76.5525, 90.8745,
89.4946

■ 30.3880, 15.8422,
20.7830

■ 77.9659, 91.4399,
96.9373

■ 29.4661, 14.9404,
17.5718

■ 79.4565, 92.0361,
104.7868

■ 29.2170, 14.7244,
16.6191

■ 80.1048, 92.2954,
108.2006

Harmonies

Analogous

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



43.7859, 39.7567, 62.4251



46.2330, 39.7567, 50.0368



46.3079, 39.7567, 37.8114

Triad

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



46.2330, 39.7567, 50.0368



35.8234, 39.7567, 24.2789



32.2026, 39.7567, 61.7735

Complementary

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



46.2330, 39.7567, 50.0368



44.0757, 55.6290, 51.0649

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.



30.3822, 39.7567, 49.2700



46.2330, 39.7567, 50.0368



32.3637, 39.7567, 28.5265

Square

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



46.2330, 39.7567, 50.0368



40.0758, 39.7567, 24.4066



30.4388, 39.7567, 37.1756



35.5881, 39.7567, 70.0223

Rectangle

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



46.2330, 39.7567, 50.0368



44.9886, 39.7567, 31.4109



30.4388, 39.7567, 37.1756



31.3991, 39.7567, 57.8358

Sweetspot

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



46.2342, 39.7585, 50.0376



87.3961, 87.0727, 99.0098



41.3076, 36.8766, 65.2630



18.4162, 18.1498, 20.8088



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.



46.2342, 39.7585, 50.0376



68.7993, 56.3163, 72.9658



43.6710, 38.7333, 36.5405



12.0697, 11.9126, 13.6427



18.0645, 9.0986, 10.5116



1.0499, 0.5247, 0.7977

Inverse Universe

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



46.2342, 39.7585, 50.0376



68.7993, 56.3163, 72.9658



47.1035, 56.8402, 67.0093



12.0697, 11.9126, 13.6427



18.0645, 9.0986, 10.5116



1.0499, 0.5247, 0.7977

Previews

White Background



This preview shows how the XYZ color 46.2330, 39.7567, 50.0368 looks on a white background.

Color Contrast Check

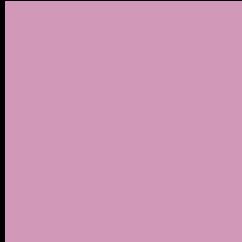
Large Text (above 18pt) WCAG AA × Fail

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 46.2330, 39.7567, 50.0368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

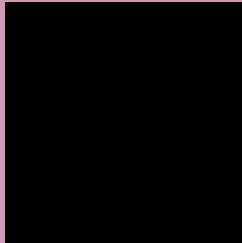
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2330, 39.7567, 50.0368

Background



This preview shows how black text looks on a background with the XYZ color 46.2330, 39.7567, 50.0368.



This preview shows how white text looks on a background with the XYZ color 46.2330, 39.7567,

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

46.2330, 39.7567, 50.0368

Protanopia

39.3542, 39.9625, 56.0914

Deuteranopia

40.8517, 40.0702, 49.2973



Tritanopia

44.6885, 39.8695, 42.3860

Trichromacy



Original Color

46.2330, 39.7567, 50.0368

Protanomaly

41.5739, 39.8136, 53.6377

Deuteranomaly

42.6742, 39.9435, 49.7167

Tritanomaly

45.2766, 39.8697, 44.8445

Monochromacy



Original Color

46.2330, 39.7567, 50.0368

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.8217, 40.8859, 47.2825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2330, 39.7567, 50.0368 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(209, 153, 183)` looks like.

```
.text, #text, p{  
    color:rgb(209, 153, 183)  
}
```

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(209, 153, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 153, 183) }
```

Border

The CSS property to change the border of an element to XYZ 46.2330, 39.7567, 50.0368 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(209, 153, 183) }
```


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

```
.border{ border-color:rgb(209, 153, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 153, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 153, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 153, 183);  
box-shadow:4px 4px 4px 4px rgb(209, 153,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2330, 39.7567, 50.0368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 153, 183) }
```

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

```
.background{ background-color: rgb(209,  
153, 183) }
```

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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