

Converting Colors

XYZ(46.3492, 39.4321, 62.9172)

Have a look what the booklet for
XYZ(46.3492, 39.4321, 62.9172)
contains.

XYZ(46.4981, 39.6078, 62.9520)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4981, 39.6078,
62.9520)**

Conversions

Conversions Part 1

Format	Color
Hex	C999CD
RGB	201, 153, 205
RGB Percent	79%, 60%, 80%
CMY	0.2118, 0.4000, 0.1961
CMYK	0.02, 0.25, 0.00, 0.20
HSL	295°, 34%, 70%
HSV	295°, 25%, 80%
XYZ	46.4981, 39.6078, 62.9520
YIQ	173.2800, 11.9160, 26.3480

Conversions

Conversions Part 2

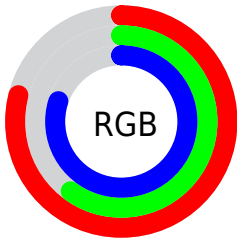
Format	Color
R_{YB}	201, 153, 205
Decimal	13212109
CIE _{Lab}	69.19, 26.78, -19.74
CIE _{LCh}	69, 33.267, 323.610
Yxy	39.6078, 0.3119, 0.2657
Android (android.graphics.Color)	4291402189 (0xFFC999CD)
YUV	173.2800, 15.6380, 24.3104
Hunter-Lab	62.9347, 21.7455, -15.2520

Details

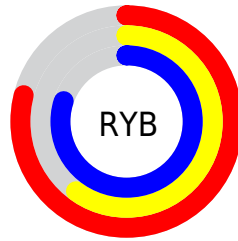
The XYZ color **46.4981, 39.6078, 62.9520** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.4872, 53.1317, 38.2078**, and the grayscale version is **39.7828, 41.8546, 45.5797**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **22.0937, 17.6527, 31.5210** is the 20% darker color. If you saturate the color by 10%, you get **43.0054, 33.2478, 61.9091**, and if you desaturate by 10%, it is **50.5740, 47.1263, 64.1890**.

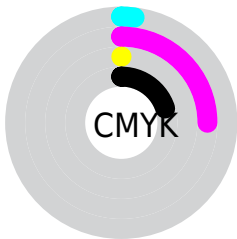
Distribution



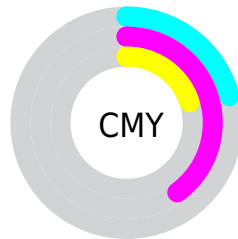
- Red (79%)
- Green (60%)
- Blue (80%)



- Red (79%)
- Yellow (60%)
- Blue (80%)



- Cyan (2%)
- Magenta (25%)
- Yellow (0%)
- Black (20%)



- Cyan (21%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4981, 39.6078, 62.9520 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 46.4981, 39.6078, 62.9520 by changing the saturation by 10% instead.


 46.4981, 39.6078,
62.9520

 46.4981, 39.6078,
62.9520


363.4900,
344.4677, 453.4984

 32.8453, 27.2329,
45.3616


 84.1873, 74.5659,
110.6852

 22.1667, 17.7482,
31.3973


 108.9544, 97.9179,
141.6650

 14.0967, 10.7694,
20.6406


138.1570,
125.6977, 177.9452

 8.2701, 5.9120,
12.6729

172.1605,
158.2897, 219.9441

 4.3215, 2.7916,
7.0756

211.3302,
196.0783, 268.0803

 1.8856, 1.0239,
3.4303

256.0314,

 0.5684, 0.0000,

239.4479, 322.7724

1.3183

306.6296,
288.7829, 384.4389

■ 0.0000, 0.0000,
0.0767

■ 0.0000, 0.0000,
0.0000

■ 46.4981, 39.6078,
62.9520

■ 46.4981, 39.6078,
62.9520

■ 43.0054, 33.2478,
61.9091

■ 50.5740, 47.1263,
64.1890

■ 40.0628, 27.9822,
61.0478

■ 55.2568, 55.8529,
65.6266

■ 37.6394, 23.7486,
60.3584

■ 60.5734, 65.8404,
67.2741

■ 35.6997, 20.4762,
59.8290

■ 66.5479, 77.1373,
69.1398

34.2040, 18.0852,
59.4463

73.0418, 89.4665,
71.1773

33.1059, 16.4831,
59.1949

73.4898, 89.6975,
71.1983

32.3488, 15.5566,
59.0560

73.9423, 89.9307,
71.2194

32.0635, 15.2564,
59.0131

74.3993, 90.1663,
71.2408

74.8607, 90.4042,
71.2624

Harmonies

Analogous

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



41.8946, 39.6078, 75.9348



46.4981, 39.6078, 62.9520



48.7574, 39.6078, 46.4703

Triad

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



46.4981, 39.6078, 62.9520



38.7963, 39.6078, 20.0677



29.0273, 39.6078, 55.9595

Complementary

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



46.4981, 39.6078, 62.9520



41.4872, 53.1317, 38.2078

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.



28.3656, 39.6078, 39.9465



46.4981, 39.6078, 62.9520



33.6949, 39.6078, 21.4625

Square

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



46.4981, 39.6078, 62.9520



44.0485, 39.6078, 23.5764



29.9954, 39.6078, 27.9725



31.8961, 39.6078, 71.2780

Rectangle

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



46.4981, 39.6078, 62.9520



48.4921, 39.6078, 36.5915



29.9954, 39.6078, 27.9725



28.5513, 39.6078, 50.3958

Sweetspot

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



46.4993, 39.6095, 62.9529



88.3090, 87.3715, 106.8177



36.2715, 35.4090, 62.6811



18.6467, 18.2251, 22.7850



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.



46.4993, 39.6095, 62.9529



73.1782, 59.4211, 102.2203



45.1514, 39.1962, 50.1691



11.5991, 11.3581, 14.1514



19.9970, 9.5164, 36.7392



1.0575, 0.5043, 1.8965

Inverse Universe

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



42.6553, 38.1977, 37.0249



65.9522, 56.7770, 53.0419



42.6748, 53.5181, 48.4684



11.2468, 11.2274, 11.8341



15.7446, 8.1084, 1.1076



0.8247, 0.4233, 0.1227

Previews

White Background



This preview shows how the XYZ color 46.4981, 39.6078, 62.9520 looks on a white background.

Color Contrast Check

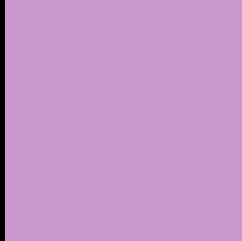
Large Text (above 18pt) WCAG AA × Fail

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 46.4981, 39.6078, 62.9520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

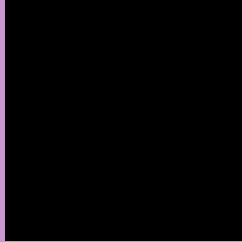
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4981, 39.6078, 62.9520

Background



This preview shows how black text looks on a background with the XYZ color 46.4981, 39.6078, 62.9520.



This preview shows how white text looks on a background with the XYZ color 46.4981, 39.6078,

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

46.4981, 39.6078, 62.9520

Protanopia

39.9891, 39.7118, 69.8475

Deuteranopia

40.5968, 39.6571, 62.0148



Tritanopia

42.6095, 39.5106, 44.4103

Trichromacy



Original Color

46.4981, 39.6078, 62.9520

Protanomaly

41.9118, 39.4280, 67.0294

Deuteranomaly

42.7000, 39.6731, 62.5339

Tritanomaly

43.9974, 39.5804, 50.6683

Monochromacy



Original Color

46.4981, 39.6078, 62.9520

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.9216, 40.8425, 51.5728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4981, 39.6078, 62.9520 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(201, 153, 205)` looks like.

```
.text, #text, p{  
    color:rgb(201, 153, 205)  
}
```

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(201, 153, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 153, 205) }
```

Border

The CSS property to change the border of an element to XYZ 46.4981, 39.6078, 62.9520 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(201, 153, 205) }
```


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

```
.border{ border-color:rgb(201, 153, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 153, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 153, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 153, 205);  
box-shadow:4px 4px 4px 4px rgb(201, 153,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4981, 39.6078, 62.9520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 153, 205) }
```

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

```
.background{ background-color: rgb(201,  
153, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor