

# Converting Colors

XYZ(45.7758, 39.6071, 41.1580)

Have a look what the booklet for  
XYZ(45.7758, 39.6071, 41.1580)  
contains.

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# Color

**XYZ(46.0057, 39.8318,  
41.3399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D699A6
RGB	214, 153, 166
RGB Percent	84%, 60%, 65%
CMY	0.1608, 0.4000, 0.3490
CMYK	0.00, 0.29, 0.22, 0.16
HSL	347°, 43%, 72%
HSV	347°, 29%, 84%
XYZ	46.0057, 39.8318, 41.3399
YIQ	172.7210, 32.1830, 16.9750

# Conversions

## Conversions Part 2

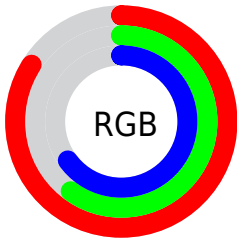
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 153, 166
Decimal	14064038
CIE Lab	69.35, 24.69, 2.33
CIE LCh	69, 24.804, 5.397
Yxy	39.8318, 0.3617, 0.3132
Android (android.graphics.Color)	4292254118 (0xFFD699A6)
YUV	172.7210, -3.3135, 36.2017
Hunter-Lab	63.1124, 19.6705, 5.3426

# Details

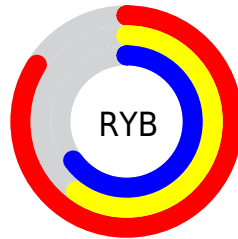
The XYZ color **46.0057, 39.8318, 41.3399** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.7277, 59.0834, 64.1500**, and the grayscale version is **39.5842, 41.6457, 45.3522**.

A 20% lighter version of the original color is **76.8470, 71.5922, 78.1750**, and **21.7915, 17.7914, 18.2051** is the 20% darker color. If you saturate the color by 10%, you get **41.3671, 32.8670, 32.6646**, and if you desaturate by 10%, it is **51.4769, 48.1375, 51.2917**.

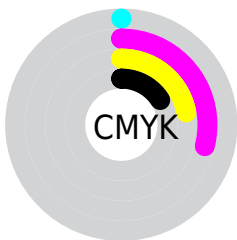
# Distribution



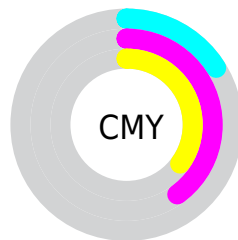
- Red (84%)
- Green (60%)
- Blue (65%)



- Red (84%)
- Yellow (60%)
- Blue (65%)



- Cyan (0%)
- Magenta (29%)
- Yellow (22%)
- Black (16%)




- Cyan (16%)
- Magenta (40%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0057, 39.8318, 41.3399 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 46.0057, 39.8318, 41.3399 by changing the saturation by 10% instead.




 46.0057, 39.8318,  
41.3399

 46.0057, 39.8318,  
41.3399


361.5471,  
345.4141, 367.4578

 32.4550, 27.4074,  
28.2631


 83.4553, 74.9073,  
78.4589

 21.8665, 17.8794,  
18.2833

 108.0850, 98.3272,  
103.3381

 13.8749, 10.8635,  
10.9820


137.1382,  
126.1812, 132.9885

 8.1148, 5.9751,  
5.9407

170.9805,  
158.8534, 167.8287

 4.2209, 2.8299,  
2.7409

209.9772,  
196.7285, 208.2772

 1.8279, 1.0436,  
0.9639

254.4936,

 0.5344, 0.0000,

240.1907, 254.7525

0.0000

304.8952,  
289.6244, 307.6732

■ 0.0000, 0.0000,  
0.0000

■ 46.0057, 39.8318,  
41.3399

■ 46.0057, 39.8318,  
41.3399

■ 41.3671, 32.8670,  
32.6646

■ 51.4769, 48.1375,  
51.2917

■ 37.5166, 27.1671,  
25.2112

■ 57.8159, 57.8436,  
62.5667

■ 34.4100, 22.6575,  
18.9244

■ 65.0599, 69.0129,  
75.2124

■ 31.9979, 19.2528,  
13.7437

■ 73.2427, 81.7025,  
89.2730

■ 30.2242, 16.8567,  
9.6031

■ 80.7790, 92.7311,  
104.2515

■ 29.0238, 15.3559,  
6.4289

■ 81.5417, 93.0362,  
108.2678

■ 28.3024, 14.5801,  
4.1315

■ 28.2168, 14.4903,  
3.8528

# Harmonies

## Analogous

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



45.2568, 39.8318, 53.1561



46.0057, 39.8318, 41.3399



44.4504, 39.8318, 31.8669

# Triad

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



46.0057, 39.8318, 41.3399



33.5944, 39.8318, 27.8369



34.7595, 39.8318, 66.5216

# Complementary

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



46.0057, 39.8318, 41.3399



47.7277, 59.0834, 64.1500

# 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.



31.9536, 39.8318, 57.3537



46.0057, 39.8318, 41.3399



31.3147, 39.8318, 34.8654

# Square

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



46.0057, 39.8318, 41.3399



37.1433, 39.8318, 24.9955



30.7356, 39.8318, 45.4656



38.5837, 39.8318, 69.0722



# Rectangle

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



46.0057, 39.8318, 41.3399



42.3762, 39.8318, 27.7074



30.7356, 39.8318, 45.4656



33.6747, 39.8318, 64.0415

# Sweetspot

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



46.0068, 39.8337, 41.3407



85.3879, 85.1123, 92.0025



47.5593, 40.0270, 68.8379



17.9647, 17.7388, 19.1417



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.



46.0068, 39.8337, 41.3407



64.2434, 52.9543, 53.7212



47.9105, 45.4536, 36.3876



12.5305, 12.4637, 13.4676



17.0865, 8.7709, 2.4938



1.0616, 0.5414, 0.3138



# Inverse Universe

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



46.0068, 39.8337, 41.3407



64.2434, 52.9543, 53.7212



45.1779, 51.4327, 71.1649



12.5305, 12.4637, 13.4676



17.0865, 8.7709, 2.4938

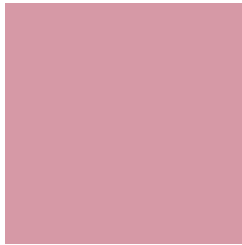


1.0616, 0.5414, 0.3138



# Previews

## White Background



This preview shows how the XYZ color 46.0057, 39.8318, 41.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

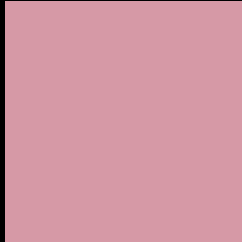
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0057, 39.8318, 41.3399 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 46.0057, 39.8318, 41.3399**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0057, 39.8318, 41.3399.



This preview shows how white text looks on a background with the XYZ color 46.0057, 39.8318,



# 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

46.0057, 39.8318, 41.3399

### Protanopia

38.7204, 40.1290, 46.2623

### Deuteranopia

40.7153, 39.9226, 40.6819



## Tritanopia

45.9143, 39.7952, 40.8586

# Trichromacy



## Original Color

46.0057, 39.8318, 41.3399

## Protanomaly

41.0371, 39.7377, 44.5370

## Deuteranomaly

42.3883, 39.7285, 41.0316

## Tritanomaly

45.9143, 39.7952, 40.8586

# Monochromacy



## Original Color

46.0057, 39.8318, 41.3399

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

41.6310, 40.8661, 43.7240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0057, 39.8318, 41.3399 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(214, 153, 166) looks like.

```
.text, #text, p{  
    color:rgb(214, 153, 166)  
}
```

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(214, 153, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 153, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0057, 39.8318, 41.3399 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(214, 153, 166) }
```



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

```
.border{ border-color:rgb(214, 153, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 153, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 153, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 153, 166);  
box-shadow:4px 4px 4px 4px rgb(214, 153,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0057, 39.8318, 41.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 153, 166) }
```

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

```
.background{ background-color: rgb(214,  
153, 166) }
```

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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