

# Converting Colors

XYZ(39.5440, 41.6174, 49.1288)

Have a look what the booklet for  
XYZ(39.5440, 41.6174, 49.1288)  
contains.

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# Color

**XYZ(39.5440, 41.6174,  
49.1288)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9ADB4
RGB	169, 173, 180
RGB Percent	66%, 68%, 71%
CMY	0.3372, 0.3216, 0.2941
CMYK	0.06, 0.04, 0.00, 0.29
HSL	218°, 7%, 68%
HSV	218°, 6%, 71%
XYZ	39.5440, 41.6174, 49.1288
YIQ	172.6020, -4.6310, 1.3290

# Conversions

## Conversions Part 2

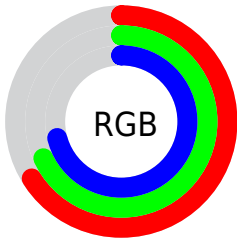
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	169, 172, 180
Decimal	11120052
CIE Lab	70.61, -0.04, -4.08
CIE LCh	71, 4.078, 269.466
Yxy	41.6174, 0.3035, 0.3194
Android (android.graphics.Color)	4289310132 (0xFFA9ADB4)
YUV	172.6020, 3.6472, -3.1590
Hunter-Lab	64.5115, -3.4791, 0.0058

# Details

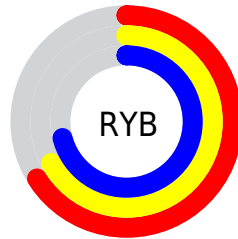
The XYZ color **39.5440, 41.6174, 49.1288** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.5094, 43.6184, 43.7684**, and the grayscale version is **39.5026, 41.5599, 45.2587**.

A 20% lighter version of the original color is **73.6242, 77.3902, 90.4143**, and **18.0043, 18.9890, 22.7950** is the 20% darker color. If you saturate the color by 10%, you get **33.8429, 35.5583, 48.2604**, and if you desaturate by 10%, it is **45.9674, 48.3305, 50.0867**.

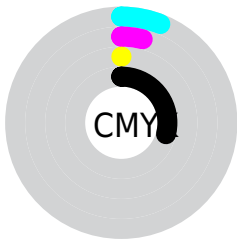
# Distribution



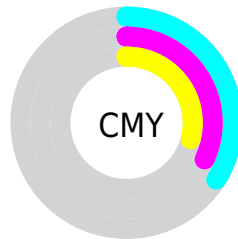
- Red (66%)
- Green (68%)
- Blue (71%)



- Red (66%)
- Yellow (67%)
- Blue (71%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)



- Cyan (34%)
- Magenta (32%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5440, 41.6174, 49.1288 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 39.5440, 41.6174, 49.1288 by changing the saturation by 10% instead.



■ 39.5440, 41.6174,  
49.1288

■ 39.5440, 41.6174,  
49.1288

335.3653,  
352.8945, 399.8862

■ 27.3658, 28.8018,  
34.3553

■ 73.7574, 77.6202,  
90.2657

■ 17.9862, 18.9310,  
22.8871

■ 96.5233, 101.5763,  
117.4662

■ 11.0397, 11.6204,  
14.3057

123.5492,  
130.0147, 149.6461

■ 6.1610, 6.4858,  
8.1924

155.2004,  
163.3197, 187.2240

■ 2.9848, 3.1426,  
4.1288

191.8422,  
201.8758, 230.6185

■ 1.1457, 1.2066,  
1.6963

233.8401,

■ 0.0629, 0.0671,

246.0673, 280.2479

0.3582

281.5593,  
296.2788, 336.5310

■ 0.0000, 0.0000,  
0.0000

■ 39.5440, 41.6174,  
49.1288

■ 39.5440, 41.6174,  
49.1288

■ 33.8429, 35.5583,  
48.2604

■ 45.9674, 48.3305,  
50.0867

■ 28.8341, 30.1274,  
47.4761

■ 53.1343, 55.7119,  
51.1337

■ 24.4910, 25.3048,  
46.7742

■ 61.0696, 63.7821,  
52.2731

■ 20.7836, 21.0675,  
46.1517

■ 69.7959, 72.5589,  
53.5073

■ 17.6795, 17.3909,  
45.6056

■ 77.8469, 81.2925,  
54.7687

■ 15.1434, 14.2484,  
45.1328

■ 81.1438, 87.8862,  
55.8677

■ 13.1357, 11.6111,  
44.7295

■ 84.6539, 94.9065,  
57.0377

■ 11.6113, 9.4462,  
44.3920

■ 85.2383, 96.0753,  
57.2325

■ 10.5128, 7.7142,  
44.1156

# Harmonies

## Analogous

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



38.9012, 41.6174, 48.5876



39.5440, 41.6174, 49.1288



40.1972, 41.6174, 48.6239

# Triad

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



39.5440, 41.6174, 49.1288



40.6954, 41.6174, 43.5126



38.4501, 41.6174, 43.4542

# Complementary

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



39.5440, 41.6174, 49.1288



41.5094, 43.6184, 43.7684

# 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.



38.9219, 41.6174, 42.1583



39.5440, 41.6174, 49.1288



40.2183, 41.6174, 42.1913

# Square

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



39.5440, 41.6174, 49.1288



40.8665, 41.6174, 45.3489



39.5682, 41.6174, 41.7025



38.2740, 41.6174, 45.2797



# Rectangle

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



39.5440, 41.6174, 49.1288



40.5495, 41.6174, 47.7701



39.5682, 41.6174, 41.7025



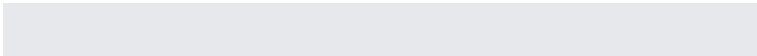
38.5791, 41.6174, 42.9441

# Sweetspot

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



39.5452, 41.6192, 49.1297



76.2897, 80.2797, 89.7692



40.5174, 44.2115, 47.4559



16.5160, 17.3796, 19.4064



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.5452, 41.6192, 49.1297



70.6012, 74.3016, 88.9152



39.1056, 40.2702, 48.8925



8.5285, 8.9753, 10.7892



7.1480, 5.0963, 30.7439



0.2816, 0.2738, 0.9862



# Inverse Universe

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



40.5542, 41.0973, 45.3323



72.7219, 73.2195, 80.9299



41.9661, 45.0360, 44.0179



8.7976, 8.8387, 9.7760



13.8426, 7.0546, 4.3312



0.4642, 0.2334, 0.2870



# Previews

## White Background



This preview shows how the XYZ color 39.5440, 41.6174, 49.1288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

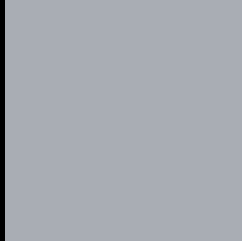
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.5440, 41.6174, 49.1288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

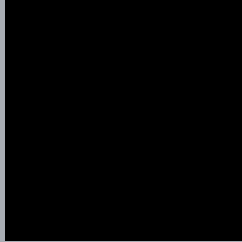
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.5440, 41.6174, 49.1288**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5440, 41.6174, 49.1288.



This preview shows how white text looks on a background with the XYZ color 39.5440, 41.6174,



# 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

39.5440, 41.6174, 49.1288

### Protanopia

40.3448, 41.7584, 48.5816

### Deuteranopia

42.1668, 41.2879, 49.4630



## Tritanopia

40.1930, 41.5963, 52.3649

# Trichromacy



## Original Color

39.5440, 41.6174, 49.1288

## Protanomaly

39.9025, 41.5304, 48.5609

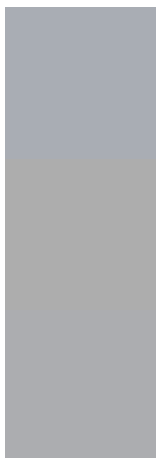
## Deuteranomaly

41.1189, 41.2958, 49.5198

## Tritanomaly

39.9818, 41.5118, 51.2527

# Monochromacy



## Original Color

39.5440, 41.6174, 49.1288

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

39.7933, 41.7924, 47.0437

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5440, 41.6174, 49.1288 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(169, 173, 180)` looks like.

```
.text, #text, p{  
    color:rgb(169, 173, 180)  
}
```

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(169, 173, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 173, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5440, 41.6174, 49.1288 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(169, 173, 180) }
```



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

```
.border{ border-color:rgb(169, 173, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 173, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 173, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 173, 180);  
box-shadow:4px 4px 4px 4px rgb(169, 173,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5440, 41.6174, 49.1288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 173, 180) }
```

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

```
.background{ background-color: rgb(169,  
173, 180) }
```

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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