

Converting Colors

XYZ(37.9006, 38.9772, 49.9082)

Have a look what the booklet for
XYZ(37.9006, 38.9772, 49.9082)
contains.

XYZ(37.9881, 39.1218, 49.8050)	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(37.9881, 39.1218,
49.8050)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A7B6
RGB	166, 167, 182
RGB Percent	65%, 65%, 71%
CMY	0.3490, 0.3451, 0.2863
CMYK	0.09, 0.08, 0.00, 0.29
HSL	236°, 10%, 68%
HSV	236°, 9%, 71%
XYZ	37.9881, 39.1218, 49.8050
YIQ	168.4110, -5.4110, 4.4530

Conversions

Conversions Part 2

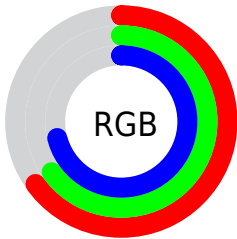
Format	Color
RYB	166, 167, 182
Decimal	10921910
CIELab	68.84, 2.62, -7.82
CIElCh	69, 8.251, 288.492
Yxy	39.1218, 0.2993, 0.3083
Android (android.graphics.Color)	4289111990 (0xFFA6A7B6)
YUV	168.4110, 6.6994, -2.1144
Hunter-Lab	62.5474, -1.0462, -3.4280

Details

The XYZ color **37.9881, 39.1218, 49.8050** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.6984, 45.7457, 42.6565**, and the grayscale version is **37.3924, 39.3397, 42.8409**.

A 20% lighter version of the original color is **71.3727, 73.7878, 91.3696**, and **17.0326, 17.4239, 23.2343** is the 20% darker color. If you saturate the color by 10%, you get **31.5179, 31.4496, 48.6657**, and if you desaturate by 10%, it is **45.4129, 47.9003, 51.1087**.

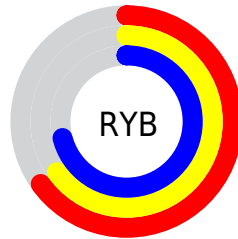
Distribution



Red (65%)

Green (65%)

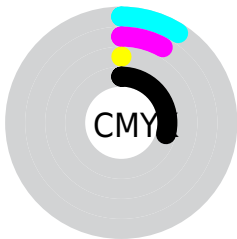
Blue (71%)



Red (65%)

Yellow (65%)

Blue (71%)

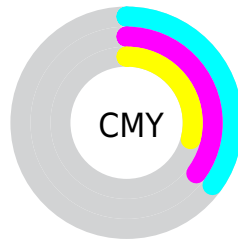


Cyan (9%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (35%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9881, 39.1218, 49.8050 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 37.9881, 39.1218, 49.8050 by changing the saturation by 10% instead.

■ 37.9881, 39.1218,
49.8050

■ 37.9881, 39.1218,
49.8050

328.8507,
342.4081, 402.6161

■ 26.1506, 26.8545,
34.8884

■ 71.3939, 73.8244,
91.2792

■ 17.0696, 17.4640,
23.2940

■ 93.6930, 97.0284,
118.6739

■ 10.3798, 10.5658,
14.6034

120.2099,
124.6468, 151.0650

■ 5.7157, 5.7757,
8.3980

151.3101,
157.0639, 188.8711

■ 2.7120, 2.7092,
4.2593

187.3589,
194.6643, 232.5107

■ 1.0033, 0.9819,
1.7686

228.7217,

■ 0.0000, 0.0000,

237.8321, 282.4024

0.4071

275.7639,
286.9519, 338.9647

■ 0.0000, 0.0000,
0.0000

■ 37.9881, 39.1218,
49.8050

■ 37.9881, 39.1218,
49.8050

■ 31.5179, 31.4496,
48.6657

■ 45.4129, 47.9003,
51.1087

■ 25.9601, 24.8350,
47.6819

■ 53.8252, 57.8212,
52.5803

■ 21.2749, 19.2332,
46.8476

■ 63.2605, 68.9255,
54.2263

■ 17.4177, 14.5941,
46.1555

■ 73.7517, 81.2502,
56.0523

■ 14.3403, 10.8633,
45.5975

■ 84.5896, 94.4494,
58.0287

■ 11.9895, 7.9813,
45.1652

■ 85.4436, 96.1574,
58.3134

■ 10.3053, 5.8810,
44.8485

■ 9.2180, 4.4857,
44.6365

■ 8.6211, 3.6915,
44.5147

Harmonies

Analogous

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



36.6842, 39.1218, 50.0577



37.9881, 39.1218, 49.8050



39.1009, 39.1218, 47.5547

Triad

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



37.9881, 39.1218, 49.8050



38.8771, 39.1218, 37.4240



34.7720, 39.1218, 41.1751

Complementary

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



37.9881, 39.1218, 49.8050



42.6984, 45.7457, 42.6565

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.



35.3310, 39.1218, 37.9964



37.9881, 39.1218, 49.8050



37.6885, 39.1218, 35.9171

Square

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



37.9881, 39.1218, 49.8050



39.6224, 39.1218, 40.3514



36.3915, 39.1218, 36.1203



34.8479, 39.1218, 44.9243

Rectangle

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



37.9881, 39.1218, 49.8050



39.5752, 39.1218, 45.2947



36.3915, 39.1218, 36.1203



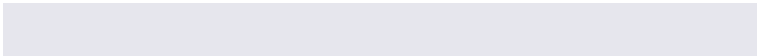
34.8913, 39.1218, 40.0086

Sweetspot

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



37.9893, 39.1234, 49.8059



76.3834, 79.8139, 91.6155



40.7881, 44.8970, 50.1970



16.6301, 17.3439, 20.1928



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.9893, 39.1234, 49.8059



65.9084, 67.4180, 89.7749



39.2993, 39.5273, 49.8148



8.5651, 8.8074, 11.3280



6.0685, 2.5966, 31.4344



0.2293, 0.1222, 1.1133

Inverse Universe

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



39.9036, 40.0084, 42.1803



70.2571, 69.4392, 72.4499



41.3057, 45.3314, 42.6500



9.0268, 9.0211, 9.4886



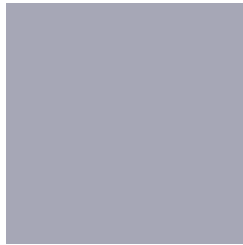
13.6768, 7.0445, 0.9187



0.4899, 0.2514, 0.0732

Previews

White Background



This preview shows how the XYZ color 37.9881, 39.1218, 49.8050 looks on a white background.

Color Contrast Check

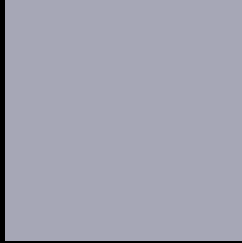
Large Text (above 18pt) WCAG AA × Fail

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 37.9881, 39.1218, 49.8050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

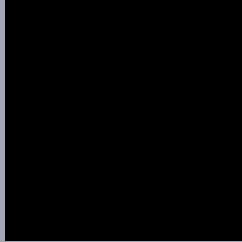
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9881, 39.1218, 49.8050

Background



This preview shows how black text looks on a background with the XYZ color 37.9881, 39.1218, 49.8050.

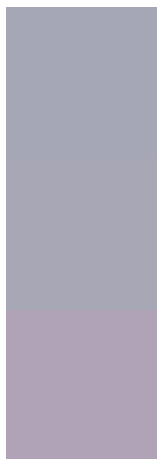


This preview shows how white text looks on a background with the XYZ color 37.9881, 39.1218,

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

37.9881, 39.1218, 49.8050

Protanopia

38.1986, 39.2303, 49.8149

Deuteranopia

39.7759, 38.9604, 50.2234



Tritanopia

37.7828, 39.0397, 48.7241

Trichromacy



Original Color

37.9881, 39.1218, 49.8050

Protanomaly

38.1986, 39.2303, 49.8149

Deuteranomaly

39.0563, 38.8541, 50.2408

Tritanomaly

37.8851, 39.0806, 49.2626

Monochromacy



Original Color

37.9881, 39.1218, 49.8050

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.4818, 39.2379, 45.1333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9881, 39.1218, 49.8050 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(166, 167, 182)` looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 182)  
}
```

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(166, 167, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 182) }
```

Border

The CSS property to change the border of an element to XYZ 37.9881, 39.1218, 49.8050 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(166, 167, 182) }
```


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

```
.border{ border-color:rgb(166, 167, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 167, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 167, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 167, 182);  
box-shadow:4px 4px 4px 4px rgb(166, 167,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9881, 39.1218, 49.8050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 167, 182) }
```

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

```
.background{ background-color: rgb(166,  
167, 182) }
```

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