

# Converting Colors

XYZ(37.7749, 38.9953, 49.8559)

Have a look what the booklet for  
XYZ(37.7749, 38.9953, 49.8559)  
contains.

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# Color

**XYZ(37.7793, 39.0142,  
49.7953)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A5A7B6
RGB	165, 167, 182
RGB Percent	65%, 65%, 71%
CMY	0.3529, 0.3451, 0.2863
CMYK	0.09, 0.08, 0.00, 0.29
HSL	233°, 10%, 68%
HSV	233°, 9%, 71%
XYZ	37.7793, 39.0142, 49.7953
YIQ	168.1120, -6.0070, 4.2410

# Conversions

## Conversions Part 2

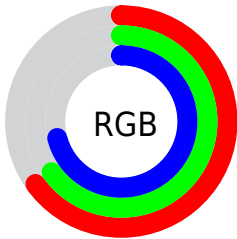
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 167, 182
Decimal	10856374
CIE Lab	68.76, 2.28, -7.95
CIE LCh	69, 8.268, 285.981
Yxy	39.0142, 0.2984, 0.3082
Android (android.graphics.Color)	4289046454 (0xFFA5A7B6)
YUV	168.1120, 6.8468, -2.7292
Hunter-Lab	62.4613, -1.3429, -3.5441

# Details

The XYZ color **37.7793, 39.0142, 49.7953** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.4044, 45.3039, 42.1077**, and the grayscale version is **37.2450, 39.1846, 42.6720**.

A 20% lighter version of the original color is **71.0691, 73.6312, 91.3554**, and **16.9032, 17.3572, 23.2282** is the 20% darker color. If you saturate the color by 10%, you get **31.4989, 31.6785, 48.7110**, and if you desaturate by 10%, it is **44.9660, 47.3614, 51.0283**.

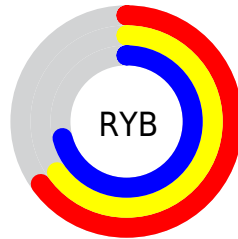
# Distribution



Red (65%)

Green (65%)

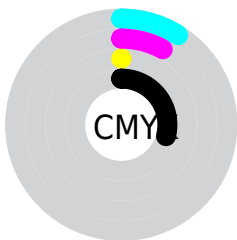
Blue (71%)



Red (65%)

Yellow (65%)

Blue (71%)

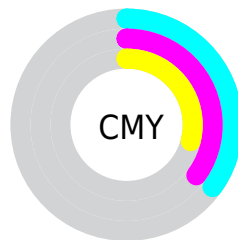


Cyan (9%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (35%)

Magenta (35%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7793, 39.0142, 49.7953 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 37.7793, 39.0142, 49.7953 by changing the saturation by 10% instead.



■ 37.7793, 39.0142,  
49.7953

■ 37.7793, 39.0142,  
49.7953

327.9695,  
341.9509, 402.5770

■ 25.9879, 26.7708,  
34.8807

■ 71.0758, 73.6600,  
91.2647

■ 16.9472, 17.4011,  
23.2882

■ 93.3116, 96.8312,  
118.6566

■ 10.2919, 10.5209,  
14.5992

119.7596,  
124.4137, 151.0447

■ 5.6567, 5.7457,  
8.3951

150.7851,  
156.7920, 188.8475

■ 2.6761, 2.6911,  
4.2574

186.7535,  
194.3505, 232.4836

■ 0.9849, 0.9727,  
1.7676

228.0301,

■ 0.0000, 0.0000,

237.4736, 282.3716

0.4064

274.9804,  
286.5455, 338.9298

■ 0.0000, 0.0000,  
0.0000

■ 37.7793, 39.0142,  
49.7953

■ 37.7793, 39.0142,  
49.7953

■ 31.4989, 31.6785,  
48.7110

■ 44.9660, 47.3614,  
51.0283

■ 26.0852, 25.3110,  
47.7673

■ 53.0895, 56.7513,  
52.4126

■ 21.5013, 19.8726,  
46.9592

■ 62.1830, 67.2201,  
53.9540

■ 17.7056, 15.3196,  
46.2804

■ 72.2773, 78.8007,  
55.6572

■ 14.6535, 11.6048,  
45.7242

■ 83.0318, 91.3339,  
57.5096

■ 12.2954, 8.6766,  
45.2833

■ 85.4436, 96.1574,  
58.3135

■ 10.5760, 6.4774,  
44.9494

■ 9.4310, 4.9418,  
44.7134

■ 8.7551, 3.9782,  
44.5630

# Harmonies

## Analogous

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



36.4753, 39.0142, 49.8664



37.7793, 39.0142, 49.7953



38.9219, 39.0142, 47.6898

# Triad

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



37.7793, 39.0142, 49.7953



38.8590, 39.0142, 37.5030



34.6924, 39.0142, 40.7570

# Complementary

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



37.7793, 39.0142, 49.7953



42.4044, 45.3039, 42.1077

# 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.



35.3007, 39.0142, 37.6638



37.7793, 39.0142, 49.7953



37.6951, 39.0142, 35.8613

# Square

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



37.7793, 39.0142, 49.7953



39.5552, 39.0142, 40.5255



36.3930, 39.0142, 35.9184



34.7138, 39.0142, 44.4960



# Rectangle

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



37.7793, 39.0142, 49.7953



39.4293, 39.0142, 45.4828



36.3930, 39.0142, 35.9184



34.8294, 39.0142, 39.6120

# Sweetspot

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



37.7805, 39.0158, 49.7962



76.4930, 80.0331, 91.6520



40.4568, 44.7404, 49.5418



16.6604, 17.4046, 20.2029



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.



37.7805, 39.0158, 49.7962



66.2712, 68.1436, 89.8959



38.7448, 38.9726, 49.7370



8.6041, 8.8853, 11.3410



6.1843, 2.8282, 31.4730



0.2461, 0.1558, 1.1189



# Inverse Universe

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



39.7225, 39.6462, 42.1200



70.4402, 69.5124, 73.4142



41.3719, 45.3761, 42.1760



9.0465, 9.0290, 9.5923



13.7352, 7.0678, 1.2265

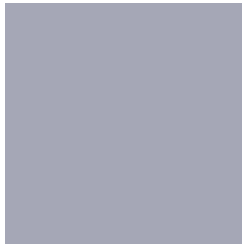


0.4984, 0.2548, 0.1178



# Previews

## White Background



This preview shows how the XYZ color 37.7793, 39.0142, 49.7953 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

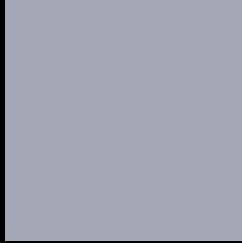
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7793, 39.0142, 49.7953 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

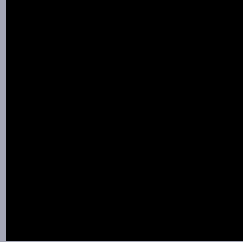
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

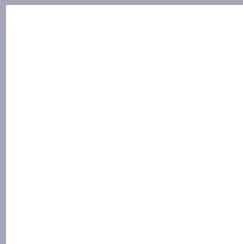
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.7793, 39.0142, 49.7953**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7793, 39.0142, 49.7953.



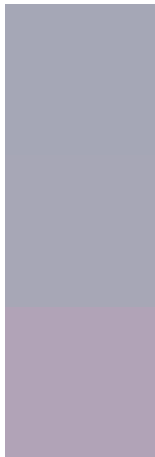
This preview shows how white text looks on a background with the XYZ color 37.7793, 39.0142,



# 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

37.7793, 39.0142, 49.7953

### Protanopia

38.1986, 39.2303, 49.8149

### Deuteranopia

39.7759, 38.9604, 50.2234



## Tritanopia

37.5740, 38.9321, 48.7143

# Trichromacy



## Original Color

37.7793, 39.0142, 49.7953

## Protanomaly

37.9881, 39.1218, 49.8050

## Deuteranomaly

39.0563, 38.8541, 50.2408

## Tritanomaly

37.6763, 38.9730, 49.2528

# Monochromacy



## Original Color

37.7793, 39.0142, 49.7953

## 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 37.7793, 39.0142, 49.7953 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(165, 167, 182)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 167, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 167, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7793, 39.0142, 49.7953 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(165, 167, 182) }
```



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

```
.border{ border-color:rgb(165, 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(165, 167, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 167, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 167, 182);  
box-shadow:4px 4px 4px 4px rgb(165, 167,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7793, 39.0142, 49.7953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 167, 182) }
```

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

```
.background{ background-color: rgb(165,  
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](#).

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