

Converting Colors

XYZ(37.7642, 38.9093, 48.7409)

Have a look what the booklet for
XYZ(37.7642, 38.9093, 48.7409)
contains.

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Color

**XYZ(37.7828, 39.0397,
48.7241)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A7B4
RGB	166, 167, 180
RGB Percent	65%, 65%, 71%
CMY	0.3490, 0.3451, 0.2941
CMYK	0.08, 0.07, 0.00, 0.29
HSL	236°, 9%, 68%
HSV	236°, 8%, 71%
XYZ	37.7828, 39.0397, 48.7241
YIQ	168.1830, -4.7690, 3.8310

Conversions

Conversions Part 2

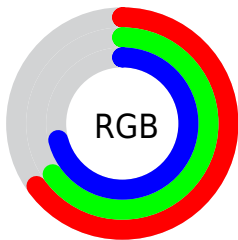
Format	Color
R_{YB}	166, 167, 180
Decimal	10921908
CIE Lab	68.78, 2.21, -6.80
CIE LCh	69, 7.153, 287.980
Yxy	39.0397, 0.3009, 0.3110
Android (android.graphics.Color)	4289111988 (0xFFA6A7B4)
YUV	168.1830, 5.8258, -1.9145
Hunter-Lab	62.4818, -1.4039, -2.4979

Details

The XYZ color **37.7828, 39.0397, 48.7241** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.8255, 44.6963, 42.4998**, and the grayscale version is **37.2842, 39.2259, 42.7170**.

A 20% lighter version of the original color is **71.0804, 73.6708, 89.8304**, and **16.9009, 17.3712, 22.5409** is the 20% darker color. If you saturate the color by 10%, you get **31.4045, 31.4976, 47.6051**, and if you desaturate by 10%, it is **45.0872, 47.6485, 50.0014**.

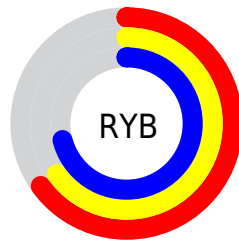
Distribution



Red (65%)

Green (65%)

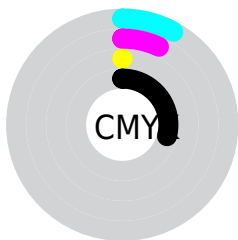
Blue (71%)



Red (65%)

Yellow (65%)

Blue (71%)

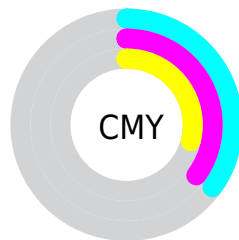


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (29%)



Cyan (35%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7828, 39.0397, 48.7241 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 37.7828, 39.0397, 48.7241 by changing the saturation by 10% instead.

■ 37.7828, 39.0397,
48.7241

■ 37.7828, 39.0397,
48.7241

327.9843,
342.0592, 398.2463

■ 25.9906, 26.7906,
34.0366

■ 71.0812, 73.6990,
89.6583

■ 16.9493, 17.4160,
22.6441

■ 93.3180, 96.8779,
116.7421

■ 10.2934, 10.5316,
14.1281

119.7672,
124.4690, 148.7950

■ 5.6577, 5.7528,
8.0701

150.7939,
156.8565, 186.2357

■ 2.6767, 2.6954,
4.0514

186.7637,
194.4249, 229.4826

■ 0.9852, 0.9748,
1.6536

228.0417,

■ 0.0000, 0.0000,

237.5586, 278.9543

0.3286

274.9935,
286.6419, 335.0694

■ 0.0000, 0.0000,
0.0000

■ 37.7828, 39.0397,
48.7241

■ 37.7828, 39.0397,
48.7241

■ 31.4045, 31.4976,
47.6051

■ 45.0872, 47.6485,
50.0014

■ 25.9118, 24.9761,
46.6358

■ 53.3490, 57.3583,
51.4401

■ 21.2668, 19.4327,
45.8106

■ 62.6022, 68.2076,
53.0466

■ 17.4270, 14.8201,
45.1227

■ 72.8784, 80.2319,
54.8259

■ 14.3466, 11.0873,
44.5646

■ 83.8379, 93.2745,
56.7657

■ 11.9749, 8.1781,
44.1280

■ 85.2383, 96.0753,
57.2325

■ 10.2552, 6.0300,
43.8040

■ 9.1219, 4.5712,
43.5822

■ 8.4828, 3.7099,
43.4496

Harmonies

Analogous

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



36.6541, 39.0397, 48.9083



37.7828, 39.0397, 48.7241



38.7486, 39.0397, 46.8234

Triad

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



37.7828, 39.0397, 48.7241



38.5839, 39.0397, 38.0378



35.0153, 39.0397, 41.2212

Complementary

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



37.7828, 39.0397, 48.7241



41.8255, 44.6963, 42.4998

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.



35.5106, 39.0397, 38.4655



37.7828, 39.0397, 48.7241



37.5617, 39.0397, 36.6912

Square

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



37.7828, 39.0397, 48.7241



39.2175, 39.0397, 40.6101



36.4375, 39.0397, 36.8437



35.0718, 39.0397, 44.4633

Rectangle

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



37.7828, 39.0397, 48.7241



39.1631, 39.0397, 44.8906



36.4375, 39.0397, 36.8437



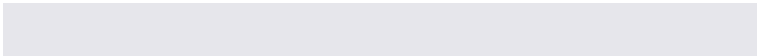
35.1224, 39.0397, 40.2105

Sweetspot

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



37.7839, 39.0413, 48.7250



75.9060, 79.5124, 89.6414



40.1676, 43.9981, 48.9356



16.4374, 17.2225, 19.3802



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.



37.7839, 39.0413, 48.7250



66.8194, 68.7939, 88.0514



38.8518, 39.3202, 48.7225



8.0892, 8.3247, 10.6868



5.8690, 2.5383, 30.3176



0.2007, 0.1120, 0.9593

Inverse Universe

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



39.4345, 39.7665, 42.1584



70.3112, 70.3337, 74.1587



40.6976, 44.4142, 42.5048



8.5202, 8.5148, 8.9720



13.1970, 6.7964, 0.9316



0.4233, 0.2171, 0.0720

Previews

White Background



This preview shows how the XYZ color 37.7828, 39.0397, 48.7241 looks on a white background.

Color Contrast Check

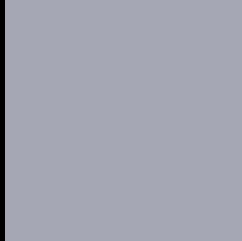
Large Text (above 18pt) WCAG AA × Fail

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 37.7828, 39.0397, 48.7241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

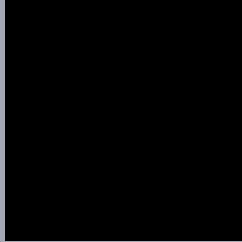
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7828, 39.0397, 48.7241

Background



This preview shows how black text looks on a background with the XYZ color 37.7828, 39.0397, 48.7241.

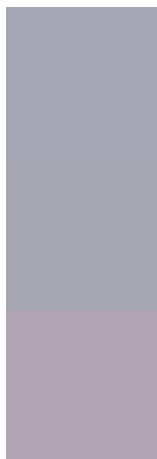


This preview shows how white text looks on a background with the XYZ color 37.7828, 39.0397,

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

37.7828, 39.0397, 48.7241

Protanopia

37.9933, 39.1482, 48.7339

Deuteranopia

39.7978, 38.9956, 49.1454



Tritanopia

37.7828, 39.0397, 48.7241

Trichromacy



Original Color

37.7828, 39.0397, 48.7241

Protanomaly

37.9933, 39.1482, 48.7339

Deuteranomaly

39.0715, 38.8858, 49.1625

Tritanomaly

37.7828, 39.0397, 48.7241

Monochromacy



Original Color

37.7828, 39.0397, 48.7241

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.3854, 39.1993, 44.6255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7828, 39.0397, 48.7241 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 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(166, 167, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 180) }
```

Border

The CSS property to change the border of an element to XYZ 37.7828, 39.0397, 48.7241 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, 180) }
```


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

```
.border{ border-color:rgb(166, 167, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 167, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 167, 180);  
box-shadow:4px 4px 4px 4px rgb(166, 167,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7828, 39.0397, 48.7241 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, 180) }
```

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

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