

Converting Colors

XYZ(38.8306, 41.2476, 48.9765)

Have a look what the booklet for
XYZ(38.8306, 41.2476, 48.9765)
contains.

XYZ(38.9077, 41.2894, 49.0990)	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(38.9077, 41.2894,
49.0990)**

Conversions

Conversions Part 1

Format	Color
Hex	A6ADB4
RGB	166, 173, 180
RGB Percent	65%, 68%, 71%
CMY	0.3490, 0.3216, 0.2941
CMYK	0.08, 0.04, 0.00, 0.29
HSL	210°, 9%, 68%
HSV	210°, 8%, 71%
XYZ	38.9077, 41.2894, 49.0990
YIQ	171.7050, -6.4190, 0.6930

Conversions

Conversions Part 2

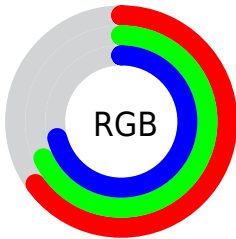
Format	Color
RYB	166, 171, 180
Decimal	10923444
CIELab	70.38, -1.07, -4.44
CIELCh	70, 4.566, 256.479
Yxy	41.2894, 0.3009, 0.3193
Android (android.graphics.Color)	4289113524 (0xFFA6ADB4)
YUV	171.7050, 4.0894, -5.0033
Hunter-Lab	64.2568, -4.3672, -0.3240

Details

The XYZ color **38.9077, 41.2894, 49.0990** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.6491, 42.3434, 42.1079**, and the grayscale version is **39.0469, 41.0804, 44.7366**.

A 20% lighter version of the original color is **72.7025, 76.9151, 90.3711**, and **17.6076, 18.7845, 22.7764** is the 20% darker color. If you saturate the color by 10%, you get **33.7281, 36.1448, 48.3796**, and if you desaturate by 10%, it is **44.7340, 46.9421, 49.8836**.

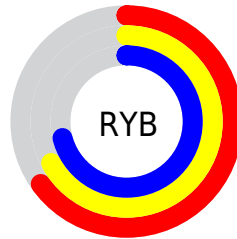
Distribution



Red (65%)

Green (68%)

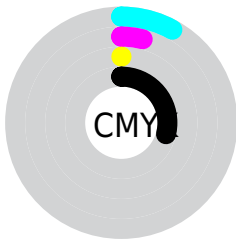
Blue (71%)



Red (65%)

Yellow (67%)

Blue (71%)

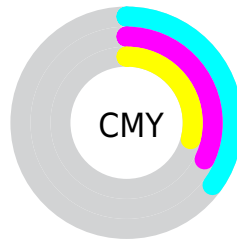


Cyan (8%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (35%)

Magenta (32%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9077, 41.2894, 49.0990 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 38.9077, 41.2894, 49.0990 by changing the saturation by 10% instead.

■ 38.9077, 41.2894,
49.0990

■ 38.9077, 41.2894,
49.0990

332.7118,
351.5287, 399.7656

■ 26.8683, 28.5453,
34.3319

■ 72.7923, 77.1230,
90.2210

■ 17.6104, 18.7371,
22.8692

■ 95.3682, 100.9813,
117.4129

■ 10.7687, 11.4805,
14.2926

122.1870,
129.3131, 149.5835

■ 5.9776, 6.3910,
8.1834

153.6140,
162.5028, 187.1513

■ 2.8720, 3.0843,
4.1231

190.0147,
200.9349, 230.5349

■ 1.0864, 1.1759,
1.6931

231.7543,

■ 0.0137, 0.0419,

244.9936, 280.1528

0.3560

279.1982,
295.0634, 336.4235

■ 0.0000, 0.0000,
0.0000

■ 38.9077, 41.2894,
49.0990

■ 38.9077, 41.2894,
49.0990

■ 33.7281, 36.1448,
48.3796

■ 44.7340, 46.9421,
49.8836

■ 29.1675, 31.4873,
47.7210

■ 51.2263, 53.1128,
50.7325

■ 25.2015, 27.3020,
47.1222

■ 58.4072, 59.8173,
51.6482

■ 21.8025, 23.5710,
46.5812

■ 66.2973, 67.0696,
52.6321

■ 18.9406, 20.2753,
46.0959

■ 74.5467, 74.6921,
53.6686

■ 16.5828, 17.3939,
45.6640

■ 76.9434, 79.4855,
54.4675

■ 14.6921, 14.9039,
45.2830

■ 79.4687, 84.5360,
55.3093

■ 13.2257, 12.7788,
44.9501

■ 82.1244, 89.8475,
56.1945

■ 12.1183, 10.9810,
44.6615

■ 84.9125, 95.4237,
57.1239

Harmonies

Analogous

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



38.2584, 41.2894, 48.0230



38.9077, 41.2894, 49.0990



39.6554, 41.2894, 49.0404

Triad

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



38.9077, 41.2894, 49.0990



40.6453, 41.2894, 43.7942



38.2066, 41.2894, 42.1691

Complementary

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



38.9077, 41.2894, 49.0990



40.6491, 42.3434, 42.1079

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.



38.8362, 41.2894, 41.1070



38.9077, 41.2894, 49.0990



40.2471, 41.2894, 42.0246

Square

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



38.9077, 41.2894, 49.0990



40.6651, 41.2894, 45.9310



39.5829, 41.2894, 41.0550



37.8571, 41.2894, 43.9972

Rectangle

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



38.9077, 41.2894, 49.0990



40.1091, 41.2894, 48.3650



39.5829, 41.2894, 41.0550



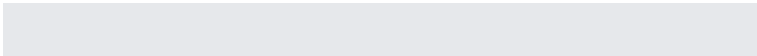
38.3921, 41.2894, 41.7133

Sweetspot

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



38.9089, 41.2911, 49.0999



76.4697, 80.6396, 89.8292



39.5681, 43.7583, 45.7784



16.5528, 17.4533, 19.4187



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.



38.9089, 41.2911, 49.0999



69.1876, 73.5304, 88.8408



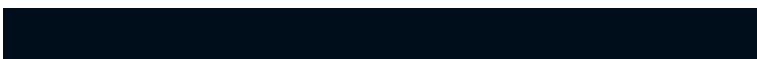
37.6436, 38.7605, 48.6781



8.3814, 8.9090, 10.7842



8.3707, 7.5417, 31.1515



0.3217, 0.3540, 0.9996

Inverse Universe

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



40.0024, 39.9938, 45.1484



71.5066, 70.8119, 80.4535



41.9802, 45.0055, 42.5516



8.6677, 8.5738, 9.7485



14.4598, 7.3015, 7.5811



0.4844, 0.2415, 0.3936

Previews

White Background



This preview shows how the XYZ color 38.9077, 41.2894, 49.0990 looks on a white background.

Color Contrast Check

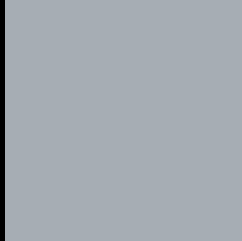
Large Text (above 18pt) WCAG AA × Fail

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 38.9077, 41.2894, 49.0990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

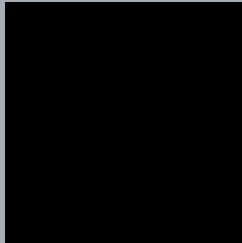
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9077, 41.2894, 49.0990

Background



This preview shows how black text looks on a background with the XYZ color 38.9077, 41.2894, 49.0990.



This preview shows how white text looks on a background with the XYZ color 38.9077, 41.2894,

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

38.9077, 41.2894, 49.0990

Protanopia

39.9332, 41.2647, 48.5080

Deuteranopia

41.9264, 41.1640, 49.4517



Tritanopia

39.5518, 41.2657, 52.3348

Trichromacy



Original Color

38.9077, 41.2894, 49.0990

Protanomaly

39.4668, 41.3058, 48.5405

Deuteranomaly

40.6599, 41.0592, 49.4983

Tritanomaly

39.3406, 41.1812, 51.2227

Monochromacy



Original Color

38.9077, 41.2894, 49.0990

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.0680, 41.1462, 46.4404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9077, 41.2894, 49.0990 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, 173, 180)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 173, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 173, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.9077, 41.2894, 49.0990 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, 173, 180) }
```


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

```
.border{ border-color:rgb(166, 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(166, 173, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 173, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 173, 180);  
box-shadow:4px 4px 4px 4px rgb(166, 173,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9077, 41.2894, 49.0990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 173, 180) }
```

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

```
.background{ background-color: rgb(166,  
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](#).

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