

Converting Colors

XYZ(38.7335, 40.6889, 49.1039)

Have a look what the booklet for
XYZ(38.7335, 40.6889, 49.1039)
contains.

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Color

**XYZ(38.7375, 40.6366,
48.9820)**

Conversions

Conversions Part 1

Format	Color
Hex	A7ABB4
RGB	167, 171, 180
RGB Percent	65%, 67%, 71%
CMY	0.3451, 0.3294, 0.2941
CMYK	0.07, 0.05, 0.00, 0.29
HSL	222°, 8%, 68%
HSV	222°, 7%, 71%
XYZ	38.7375, 40.6366, 48.9820
YIQ	170.8300, -5.2730, 1.9510

Conversions

Conversions Part 2

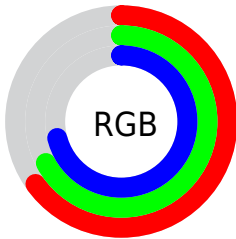
Format	Color
R _Y B	167, 170, 180
Decimal	10988468
CIE Lab	69.92, 0.36, -5.11
CIE LCh	70, 5.120, 274.064
Yxy	40.6366, 0.3018, 0.3166
Android (android.graphics.Color)	4289178548 (0xFFA7ABB4)
YUV	170.8300, 4.5208, -3.3589
Hunter-Lab	63.7468, -3.0866, -0.9346

Details

The XYZ color **38.7375, 40.6366, 48.9820** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.3230, 43.5437, 42.7868**, and the grayscale version is **38.6043, 40.6147, 44.2294**.

A 20% lighter version of the original color is **72.4609, 75.9784, 90.2031**, and **17.4978, 18.3708, 22.7024** is the 20% darker color. If you saturate the color by 10%, you get **32.9532, 34.3254, 48.0693**, and if you desaturate by 10%, it is **45.2753, 47.6677, 49.9952**.

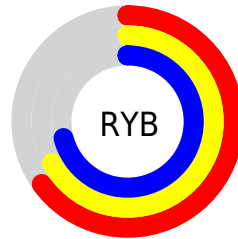
Distribution



Red (65%)

Green (67%)

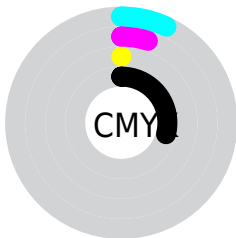
Blue (71%)



Red (65%)

Yellow (67%)

Blue (71%)

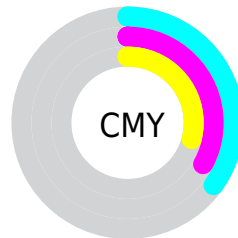


Cyan (7%)

Magenta (5%)

Yellow (0%)

Black (29%)



Cyan (35%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7375, 40.6366, 48.9820 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 38.7375, 40.6366, 48.9820 by changing the saturation by 10% instead.

■ 38.7375, 40.6366,
48.9820

■ 38.7375, 40.6366,
48.9820

331.9996,
348.7995, 399.2919

■ 26.7354, 28.0352,
34.2397

■ 72.5338, 76.1319,
90.0454

■ 17.5101, 18.3522,
22.7990

■ 95.0586, 99.7947,
117.2036

■ 10.6964, 11.2032,
14.2412

121.8218,
127.9134, 149.3376

■ 5.9289, 6.2037,
8.1480

153.1886,
160.8724, 186.8658

■ 2.8421, 2.9693,
4.1006

189.5245,
199.0561, 230.2067

■ 1.0708, 1.1157,
1.6807

231.1947,

■ 0.0005, 0.0000,

242.8489, 279.7791

0.3475

278.5646,
292.6353, 336.0013

■ 0.0000, 0.0000,
0.0000

■ 38.7375, 40.6366,
48.9820

■ 38.7375, 40.6366,
48.9820

■ 32.9532, 34.3254,
48.0693

■ 45.2753, 47.6677,
49.9952

■ 27.8910, 28.7056,
47.2514

■ 52.5894, 55.4360,
51.1091

■ 23.5225, 23.7541,
46.5259

■ 60.7059, 63.9642,
52.3274

■ 19.8160, 19.4448,
45.8895

■ 69.6489, 73.2730,
53.6529

■ 16.7371, 15.7494,
45.3385

■ 78.7007, 83.0001,
55.0533

■ 14.2482, 12.6376,
44.8690

■ 82.3589, 90.3165,
56.2727

■ 12.3074, 10.0760,
44.4769

■ 85.2383, 96.0753,
57.2325

■ 10.8666, 8.0272,
44.1573

■ 9.8588, 6.4433,
43.9047

Harmonies

Analogous

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



37.9275, 40.6366, 48.5015



38.7375, 40.6366, 48.9820



39.5281, 40.6366, 48.1566

Triad

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



38.7375, 40.6366, 48.9820



39.9661, 40.6366, 41.7262



37.2012, 40.6366, 42.2700

Complementary

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



38.7375, 40.6366, 48.9820



41.3230, 43.5437, 42.7868

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.



37.7336, 40.6366, 40.5537



38.7375, 40.6366, 48.9820



39.3287, 40.6366, 40.2477

Square

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



38.7375, 40.6366, 48.9820



40.2438, 40.6366, 43.9220



38.5105, 40.6366, 39.8262



37.0480, 40.6366, 44.5723

Rectangle

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



38.7375, 40.6366, 48.9820



39.9354, 40.6366, 46.9937



38.5105, 40.6366, 39.8262



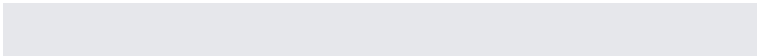
37.3414, 40.6366, 41.6082

Sweetspot

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



38.7387, 40.6383, 48.9829



76.2160, 80.1323, 89.7447



40.0832, 43.9887, 47.3925



16.5009, 17.3494, 19.4013



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.



38.7387, 40.6383, 48.9829



68.1091, 71.3734, 88.4813



38.5022, 39.4110, 48.7585



8.2483, 8.6428, 10.7398



6.7706, 4.3415, 30.6181



0.2661, 0.2428, 0.9811

Inverse Universe

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



39.9927, 40.2819, 44.1974



70.9622, 70.5941, 77.5869



41.5692, 44.8529, 43.0265



8.6005, 8.5469, 9.3948



13.6521, 6.9784, 3.3281



0.4564, 0.2303, 0.2459

Previews

White Background



This preview shows how the XYZ color 38.7375, 40.6366, 48.9820 looks on a white background.

Color Contrast Check

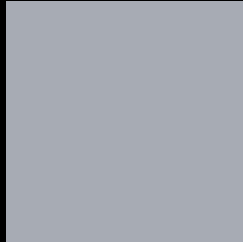
Large Text (above 18pt) WCAG AA × Fail

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 38.7375, 40.6366, 48.9820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

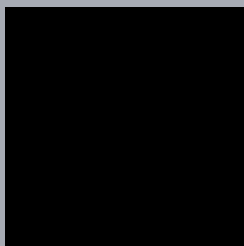
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

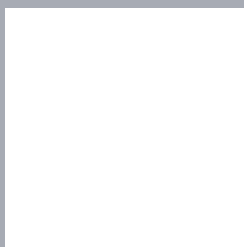
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7375, 40.6366, 48.9820

Background



This preview shows how black text looks on a background with the XYZ color 38.7375, 40.6366, 48.9820.

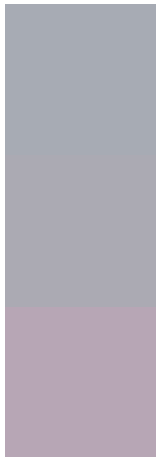


This preview shows how white text looks on a background with the XYZ color 38.7375, 40.6366,

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

38.7375, 40.6366, 48.9820

Protanopia

39.3060, 40.6621, 48.4247

Deuteranopia

41.5051, 40.6759, 49.3797



Tritanopia

39.1749, 40.5350, 51.1067

Trichromacy



Original Color

38.7375, 40.6366, 48.9820

Protanomaly

39.0890, 40.5502, 48.4146

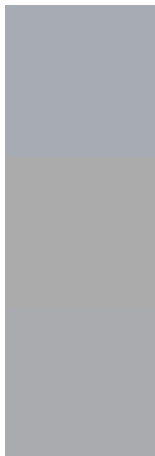
Deuteranomaly

40.4746, 40.6886, 49.4365

Tritanomaly

39.0704, 40.4932, 50.5565

Monochromacy



Original Color

38.7375, 40.6366, 48.9820

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7805, 40.7279, 45.8617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7375, 40.6366, 48.9820 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(167, 171, 180)` looks like.

```
.text, #text, p{  
    color:rgb(167, 171, 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(167, 171, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 171, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.7375, 40.6366, 48.9820 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(167, 171, 180) }
```


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

```
.border{ border-color:rgb(167, 171, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 171, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 171, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 171, 180);  
box-shadow:4px 4px 4px 4px rgb(167, 171,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7375, 40.6366, 48.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 171, 180) }
```

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

```
.background{ background-color: rgb(167,  
171, 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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