

Converting Colors

XYZ(39.0451, 40.8038, 50.0661)

Have a look what the booklet for
XYZ(39.0451, 40.8038, 50.0661)
contains.

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Color

**XYZ(38.9428, 40.7187,
50.0630)**

Conversions

Conversions Part 1

Format	Color
Hex	A7ABB6
RGB	167, 171, 182
RGB Percent	65%, 67%, 71%
CMY	0.3451, 0.3294, 0.2863
CMYK	0.08, 0.06, 0.00, 0.29
HSL	224°, 9%, 68%
HSV	224°, 8%, 71%
XYZ	38.9428, 40.7187, 50.0630
YIQ	171.0580, -5.9150, 2.5730

Conversions

Conversions Part 2

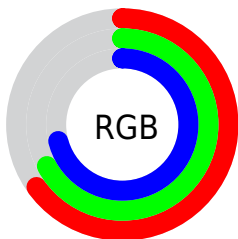
Format	Color
RYB	167, 170, 182
Decimal	10988470
CIELab	69.98, 0.77, -6.13
CIElCh	70, 6.174, 277.139
Yxy	40.7187, 0.3002, 0.3139
Android (android.graphics.Color)	4289178550 (0xFFA7ABB6)
YUV	171.0580, 5.3944, -3.5589
Hunter-Lab	63.8112, -2.7344, -1.8480

Details

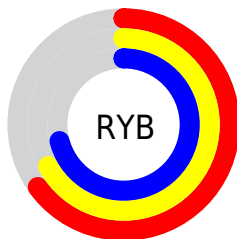
The XYZ color **38.9428, 40.7187, 50.0630** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.1871, 44.5758, 42.9405**, and the grayscale version is **38.7147, 40.7309, 44.3559**.

A 20% lighter version of the original color is **72.7532, 76.0954, 91.7423**, and **17.6295, 18.4235, 23.3958** is the 20% darker color. If you saturate the color by 10%, you get **32.9708, 34.0862, 49.0982**, and if you desaturate by 10%, it is **45.7128, 48.1426, 51.1398**.

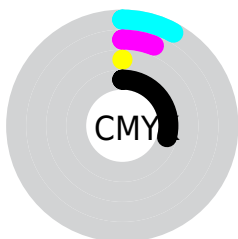
Distribution



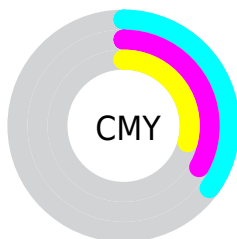
- Red (65%)
- Green (67%)
- Blue (71%)



- Red (65%)
- Yellow (67%)
- Blue (71%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)



- Cyan (35%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9428, 40.7187, 50.0630 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 38.9428, 40.7187, 50.0630 by changing the saturation by 10% instead.

■ 38.9428, 40.7187,
50.0630

■ 38.9428, 40.7187,
50.0630

332.8586,
349.1436, 403.6544

■ 26.8958, 28.0993,
35.0919

■ 72.8456, 76.2567,
91.6655

■ 17.6311, 18.4006,
23.4496

■ 95.4320, 99.9441,
119.1340

■ 10.7836, 11.2380,
14.7174

122.2622,
128.0897, 151.6053

■ 5.9877, 6.2271,
8.4769

153.7017,
161.0778, 189.4981

■ 2.8782, 2.9837,
4.3095

190.1157,
199.2928, 233.2309

■ 1.0897, 1.1232,
1.7966

231.8696,

■ 0.0165, 0.0000,

243.1192, 283.2222

0.4257

279.3288,
292.9413, 339.8905

■ 0.0000, 0.0000,
0.0000

■ 38.9428, 40.7187,
50.0630

■ 38.9428, 40.7187,
50.0630

■ 32.9708, 34.0862,
49.0982

■ 45.7128, 48.1426,
51.1398

■ 27.7633, 28.2133,
48.2391

■ 53.3056, 56.3779,
52.3292

■ 23.2894, 23.0736,
47.4828

■ 61.7493, 65.4507,
53.6353

■ 19.5151, 18.6372,
46.8254

■ 71.0696, 75.3839,
55.0614

■ 16.4031, 14.8719,
46.2627

■ 80.1778, 85.6259,
56.5583

■ 13.9129, 11.7429,
45.7900

■ 84.2020, 93.6742,
57.8997

■ 11.9990, 9.2121,
45.4023

■ 85.4436, 96.1575,
58.3135

■ 10.6091, 7.2366,
45.0943

■ 9.6635, 5.7577,
44.8587

Harmonies

Analogous

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



37.9553, 40.7187, 49.6389



38.9428, 40.7187, 50.0630



39.8816, 40.7187, 48.9003

Triad

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



38.9428, 40.7187, 50.0630



40.2645, 40.7187, 41.0744



36.9467, 40.7187, 42.2182

Complementary

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



38.9428, 40.7187, 50.0630



42.1871, 44.5758, 42.9405

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.



37.5457, 40.7187, 40.0645



38.9428, 40.7187, 50.0630



39.4583, 40.7187, 39.4244

Square

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



38.9428, 40.7187, 50.0630



40.6532, 40.7187, 43.6508



38.4620, 40.7187, 39.0628



36.8141, 40.7187, 45.0278

Rectangle

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



38.9428, 40.7187, 50.0630



40.3496, 40.7187, 47.4101



38.4620, 40.7187, 39.0628



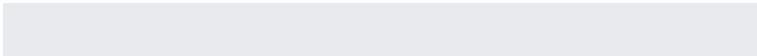
37.0997, 40.7187, 41.3972

Sweetspot

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



38.9440, 40.7204, 50.0639



78.0487, 82.0065, 91.9510



40.6759, 44.8765, 48.5069



17.2675, 18.1445, 20.3137



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.



38.9440, 40.7204, 50.0639



68.4059, 71.3963, 90.4112



38.8947, 39.5896, 49.8482



8.7108, 9.0989, 11.3766



6.7732, 4.0060, 31.6693



0.2914, 0.2465, 1.1340

Inverse Universe

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



40.4618, 40.5237, 44.2193



71.7658, 70.9927, 77.4659



42.2364, 45.8006, 43.1744



9.1004, 9.0505, 9.8761



14.0325, 7.1867, 2.7918



0.5213, 0.2640, 0.2384

Previews

White Background



This preview shows how the XYZ color 38.9428, 40.7187, 50.0630 looks on a white background.

Color Contrast Check

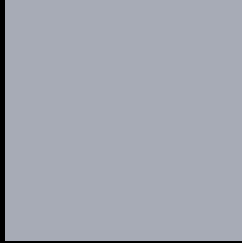
Large Text (above 18pt) WCAG AA × Fail

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 38.9428, 40.7187, 50.0630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

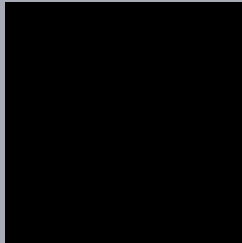
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9428, 40.7187, 50.0630

Background



This preview shows how black text looks on a background with the XYZ color 38.9428, 40.7187, 50.0630.

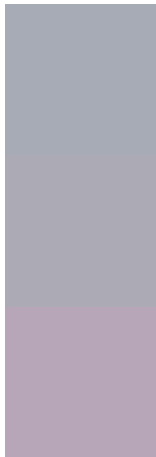


This preview shows how white text looks on a background with the XYZ color 38.9428, 40.7187,

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

38.9428, 40.7187, 50.0630

Protanopia

39.5098, 40.7436, 49.4980

Deuteranopia

41.4749, 40.6364, 50.4574



Tritanopia

39.1510, 40.8020, 51.1595

Trichromacy



Original Color

38.9428, 40.7187, 50.0630

Protanomaly

39.2928, 40.6317, 49.4878

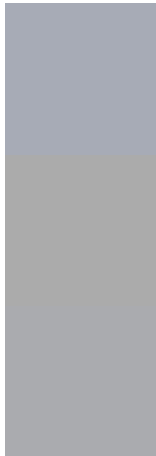
Deuteranomaly

40.6813, 40.7713, 50.5253

Tritanomaly

39.0465, 40.7602, 50.6093

Monochromacy



Original Color

38.9428, 40.7187, 50.0630

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.8783, 40.7670, 46.3772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9428, 40.7187, 50.0630 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(167, 171, 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(167, 171, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 171, 182) }
```

Border

The CSS property to change the border of an element to XYZ 38.9428, 40.7187, 50.0630 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, 182) }
```


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

```
.border{ border-color:rgb(167, 171, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 171, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 171, 182);  
box-shadow:4px 4px 4px 4px rgb(167, 171,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9428, 40.7187, 50.0630 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, 182) }
```

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

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