

Converting Colors

XYZ(38.8734, 42.5485, 49.7997)

Have a look what the booklet for
XYZ(38.8734, 42.5485, 49.7997)
contains.

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Color

**XYZ(38.7606, 42.3575,
49.8490)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B1B5
RGB	161, 177, 181
RGB Percent	63%, 69%, 71%
CMY	0.3686, 0.3059, 0.2902
CMYK	0.11, 0.02, 0.00, 0.29
HSL	192°, 12%, 67%
HSV	192°, 11%, 71%
XYZ	38.7606, 42.3575, 49.8490
YIQ	172.6720, -10.8200, -2.1480

Conversions

Conversions Part 2

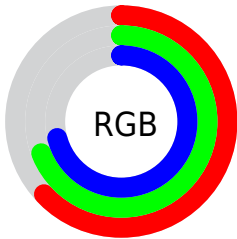
Format	Color
RYB	161, 170, 181
Decimal	10596789
CIELab	71.12, -4.72, -3.94
CIELCh	71, 6.150, 219.883
Yxy	42.3575, 0.2960, 0.3234
Android (android.graphics.Color)	4288786869 (0xFFA1B1B5)
YUV	172.6720, 4.1057, -10.2363
Hunter-Lab	65.0826, -7.5872, 0.1456

Details

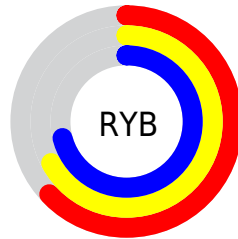
The XYZ color **38.7606, 42.3575, 49.8490** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.9446, 39.3072, 39.2535**, and the grayscale version is **39.5382, 41.5973, 45.2994**.

A 20% lighter version of the original color is **72.7439, 78.9912, 91.5336**, and **17.4106, 19.2250, 23.2152** is the 20% darker color. If you saturate the color by 10%, you get **34.6690, 39.2025, 49.4563**, and if you desaturate by 10%, it is **43.4017, 45.8262, 50.2746**.

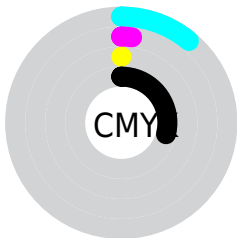
Distribution



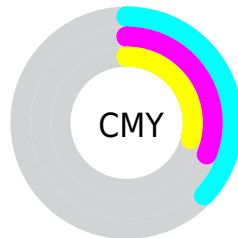
- Red (63%)
- Green (69%)
- Blue (71%)



- Red (63%)
- Yellow (67%)
- Blue (71%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)



- Cyan (37%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7606, 42.3575, 49.8490 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 38.7606, 42.3575, 49.8490 by changing the saturation by 10% instead.

■ 38.7606, 42.3575,
49.8490

■ 38.7606, 42.3575,
49.8490

332.0963,
355.9628, 402.7933

■ 26.7534, 29.3813,
34.9231

■ 72.5689, 78.7404,
91.3451

■ 17.5238, 19.3695,
23.3206

■ 95.1007, 102.9159,
118.7524

■ 10.7062, 11.9376,
14.6229

121.8714,
131.5933, 151.1572

■ 5.9355, 6.7012,
8.4115

153.2464,
165.1570, 188.9781

■ 2.8462, 3.2759,
4.2678

189.5910,
203.9915, 232.6336

■ 1.0729, 1.2774,
1.7734

231.2707,

■ 0.0023, 0.1236,

248.4810, 282.5423

0.4103

278.6506,
299.0099, 339.1227

■ 0.0000, 0.0000,
0.0000

■ 38.7606, 42.3575,
49.8490

■ 38.7606, 42.3575,
49.8490

■ 34.6690, 39.2025,
49.4563

■ 43.4017, 45.8262,
50.2746

■ 31.1004, 36.3438,
49.0926

■ 48.6098, 49.6145,
50.7313

■ 28.0317, 33.7706,
48.7577

■ 54.4066, 53.7347,
51.2210

■ 25.4366, 31.4690,
48.4502

■ 60.8111, 58.1970,
51.7448

■ 23.2861, 29.4238,
48.1688

■ 67.8416, 63.0110,
52.3034

■ 21.5483, 27.6184,
47.9119

■ 69.9377, 65.3103,
52.6368

■ 20.1864, 26.0337,
47.6778

■ 70.7785, 66.9919,
52.9171

■ 19.1572, 24.6470,
47.4644

■ 71.6392, 68.7133,
53.2040

■ 18.4389, 23.5328,
47.2872

■ 72.5199, 70.4749,
53.4975

Harmonies

Analogous

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



38.3420, 42.3575, 47.0993



38.7606, 42.3575, 49.8490



39.5830, 42.3575, 51.6469

Triad

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



38.7606, 42.3575, 49.8490



42.1457, 42.3575, 48.0962



39.9210, 42.3575, 40.7611

Complementary

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



38.7606, 42.3575, 49.8490



38.9446, 39.3072, 39.2535

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.



40.9437, 42.3575, 41.0024



38.7606, 42.3575, 49.8490



42.2399, 42.3575, 45.1546

Square

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



38.7606, 42.3575, 49.8490



41.5413, 42.3575, 50.6054



41.7966, 42.3575, 42.5820



39.0044, 42.3575, 41.9080

Rectangle

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



38.7606, 42.3575, 49.8490



40.2555, 42.3575, 52.0205



41.7966, 42.3575, 42.5820



40.2636, 42.3575, 40.6837

Sweetspot

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



38.7618, 42.3593, 49.8499



75.9874, 80.7848, 89.8827



37.9838, 43.3301, 41.8009



16.2755, 17.3506, 19.4134



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.



38.7618, 42.3593, 49.8499



67.7497, 74.5914, 89.1214



36.9191, 38.6739, 49.2357



8.5955, 9.3372, 10.8556



12.7607, 16.3218, 32.6149



0.4382, 0.5870, 1.0384

Inverse Universe

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



39.7377, 38.4888, 46.9316



69.8198, 66.4579, 82.9139



40.7550, 42.9281, 39.8570



8.7758, 8.6170, 10.3177



16.6757, 8.1878, 19.2499



0.5432, 0.2650, 0.7033

Previews

White Background



This preview shows how the XYZ color 38.7606, 42.3575, 49.8490 looks on a white background.

Color Contrast Check

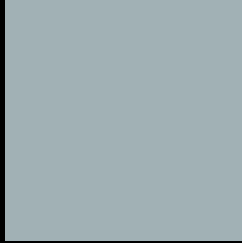
Large Text (above 18pt) WCAG AA × Fail

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 38.7606, 42.3575, 49.8490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

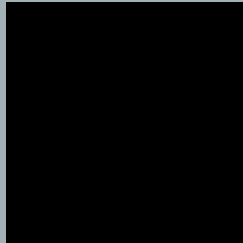
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

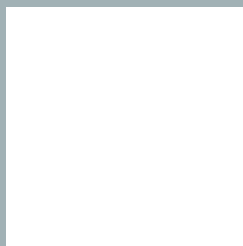
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7606, 42.3575, 49.8490

Background



This preview shows how black text looks on a background with the XYZ color 38.7606, 42.3575, 49.8490.



This preview shows how white text looks on a background with the XYZ color 38.7606, 42.3575,

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

38.7606, 42.3575, 49.8490

Protanopia

40.9847, 42.3719, 48.6663

Deuteranopia

43.2287, 42.3596, 50.6976



Tritanopia

39.9239, 42.5549, 54.8249

Trichromacy



Original Color

38.7606, 42.3575, 49.8490

Protanomaly

40.1689, 42.2253, 49.2132

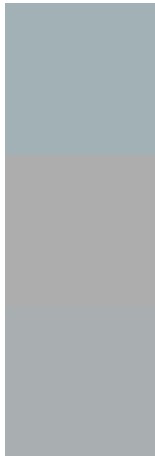
Deuteranomaly

41.5561, 42.3474, 50.2396

Tritanomaly

39.3953, 42.3199, 53.1059

Monochromacy



Original Color

38.7606, 42.3575, 49.8490

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3347, 41.8417, 47.0774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7606, 42.3575, 49.8490 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(161, 177, 181)` looks like.

```
.text, #text, p{  
    color:rgb(161, 177, 181)  
}
```

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(161, 177, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 177, 181) }
```

Border

The CSS property to change the border of an element to XYZ 38.7606, 42.3575, 49.8490 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(161, 177, 181) }
```


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

```
.border{ border-color:rgb(161, 177, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 177, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 177, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 177, 181);  
box-shadow:4px 4px 4px 4px rgb(161, 177,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7606, 42.3575, 49.8490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 177, 181) }
```

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

```
.background{ background-color: rgb(161,  
177, 181) }
```

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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