

Converting Colors

XYZ(38.7530, 39.3579, 42.3936)

Have a look what the booklet for
XYZ(38.7530, 39.3579, 42.3936)
contains.

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Color

**XYZ(38.8356, 39.4467,
42.6129)**

Conversions

Conversions Part 1

Format	Color
Hex	B1A6A8
RGB	177, 166, 168
RGB Percent	69%, 65%, 66%
CMY	0.3059, 0.3490, 0.3412
CMYK	0.00, 0.06, 0.05, 0.31
HSL	349°, 7%, 67%
HSV	349°, 6%, 69%
XYZ	38.8356, 39.4467, 42.6129
YIQ	169.5170, 5.9140, 2.9540

Conversions

Conversions Part 2

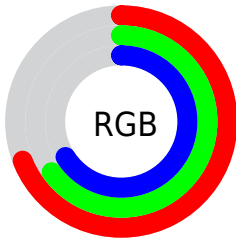
Format	Color
RYB	177, 166, 168
Decimal	11642536
CIELab	69.07, 4.33, 0.39
CIELCh	69, 4.343, 5.094
Yxy	39.4467, 0.3212, 0.3263
Android (android.graphics.Color)	4289832616 (0xFFB1A6A8)
YUV	169.5170, -0.7479, 6.5626
Hunter-Lab	62.8066, 0.4614, 3.7377

Details

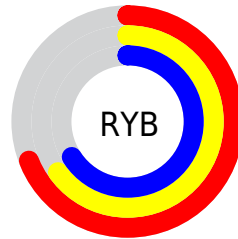
The XYZ color **38.8356, 39.4467, 42.6129** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.1874, 42.6475, 46.7260**, and the grayscale version is **37.9707, 39.9482, 43.5035**.

A 20% lighter version of the original color is **72.7800, 74.3643, 80.3299**, and **17.4819, 17.5807, 18.9950** is the 20% darker color. If you saturate the color by 10%, you get **34.5618, 32.9396, 34.8970**, and if you desaturate by 10%, it is **43.7048, 46.9031, 51.2701**.

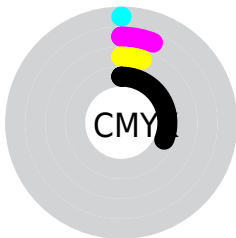
Distribution



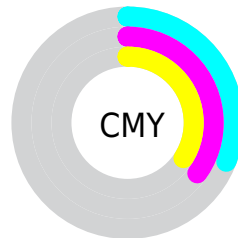
- Red (69%)
- Green (65%)
- Blue (66%)



- Red (69%)
- Yellow (65%)
- Blue (66%)



- Cyan (0%)
- Magenta (6%)
- Yellow (5%)
- Black (31%)



- Cyan (31%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8356, 39.4467, 42.6129 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 38.8356, 39.4467, 42.6129 by changing the saturation by 10% instead.

■ 38.8356, 39.4467,
42.6129

■ 38.8356, 39.4467,
42.6129

332.4102,
343.7859, 372.8917

■ 26.8120, 27.1074,
29.2524

■ 72.6828, 74.3202,
80.4065

■ 17.5679, 17.6539,
19.0246

■ 95.2371, 97.6233,
105.6766

■ 10.7380, 10.7018,
11.5111

122.0323,
125.3497, 135.7536

■ 5.9570, 5.8667,
6.2932

153.4339,
157.8838, 171.0561

■ 2.8593, 2.7642,
2.9525

189.8071,
195.6101, 212.0026

■ 1.0798, 1.0099,
1.0704

231.5173,

■ 0.0081, 0.0000,

238.9130, 259.0117

0.0000

278.9299,
288.1768, 312.5019

0.0000, 0.0000,
0.0000

38.8356, 39.4467,
42.6129

38.8356, 39.4467,
42.6129

34.5618, 32.9396,
34.8970

43.7048, 46.9031,
51.2701

30.8573, 27.3386,
28.0878

49.1877, 55.3393,
60.8962

27.6987, 22.6051,
22.1528

55.3061, 64.7911,
71.5211

25.0599, 18.6955,
17.0560

62.0793, 75.2906,
83.1725

22.9126, 15.5624,
12.7594

69.5262, 86.8686,
95.8770

■ 21.2257, 13.1538,
9.2216

■ 71.9283, 88.0819,
107.7480

■ 19.9645, 11.4110,
6.3977

■ 71.9417, 88.0873,
107.8186

■ 19.0891, 10.2662,
4.2377

■ 18.5484, 9.6303,
2.6836

Harmonies

Analogous

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



38.7143, 39.4467, 44.5777



38.8356, 39.4467, 42.6129



38.5936, 39.4467, 40.7943

Triad

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



38.8356, 39.4467, 42.6129



36.7322, 39.4467, 39.9039



36.9346, 39.4467, 46.5051

Complementary

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



38.8356, 39.4467, 42.6129



39.1874, 42.6475, 46.7260

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.



36.4134, 39.4467, 45.1818



38.8356, 39.4467, 42.6129



36.2975, 39.4467, 41.3639

Square

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



38.8356, 39.4467, 42.6129



37.3748, 39.4467, 39.2614



36.1815, 39.4467, 43.2904



37.6113, 39.4467, 46.8643

Rectangle

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



38.8356, 39.4467, 42.6129



38.2604, 39.4467, 39.8971



36.1815, 39.4467, 43.2904



36.7357, 39.4467, 46.1563

Sweetspot

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



38.8367, 39.4484, 42.6138



73.0661, 76.0191, 82.5893



39.2488, 39.5606, 47.1629



15.8553, 16.5063, 17.9353



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.8367, 39.4484, 42.6138



68.8170, 69.5241, 74.9972



39.2937, 40.6579, 41.8552



8.7465, 8.8183, 9.5073



13.3439, 6.8551, 1.7049



0.4387, 0.2232, 0.1529

Inverse Universe

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



38.8367, 39.4484, 42.6138



68.8170, 69.5241, 74.9972



38.7060, 41.3683, 47.5405



8.7465, 8.8183, 9.5073



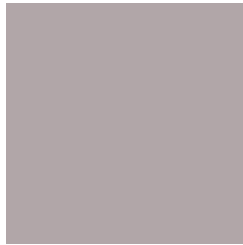
13.3439, 6.8551, 1.7049



0.4387, 0.2232, 0.1529

Previews

White Background



This preview shows how the XYZ color 38.8356, 39.4467, 42.6129 looks on a white background.

Color Contrast Check

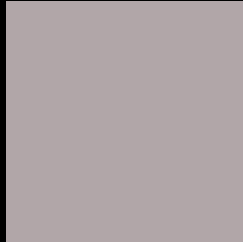
Large Text (above 18pt) WCAG AA × Fail

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 38.8356, 39.4467, 42.6129 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

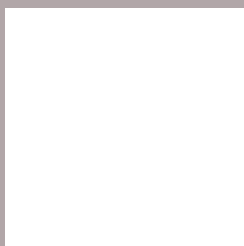
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8356, 39.4467, 42.6129

Background



This preview shows how black text looks on a background with the XYZ color 38.8356, 39.4467, 42.6129.



This preview shows how white text looks on a background with the XYZ color 38.8356, 39.4467,

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

38.8356, 39.4467, 42.6129

Protanopia

37.9587, 39.5278, 43.1651

Deuteranopia

40.2662, 39.3732, 43.0137



Tritanopia

39.7510, 39.5496, 47.1337

Trichromacy



Original Color

38.8356, 39.4467, 42.6129

Protanomaly

38.2137, 39.3862, 43.1243

Deuteranomaly

39.7283, 39.3606, 43.0396

Tritanomaly

39.4552, 39.4312, 45.5759

Monochromacy



Original Color

38.8356, 39.4467, 42.6129

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.5830, 40.1247, 43.2474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8356, 39.4467, 42.6129 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(177, 166, 168)` looks like.

```
.text, #text, p{  
    color:rgb(177, 166, 168)  
}
```

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(177, 166, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 166, 168) }
```

Border

The CSS property to change the border of an element to XYZ 38.8356, 39.4467, 42.6129 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(177, 166, 168) }
```


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

```
.border{ border-color:rgb(177, 166, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 166, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 166, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 166, 168);  
box-shadow:4px 4px 4px 4px rgb(177, 166,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8356, 39.4467, 42.6129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 166, 168) }
```

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

```
.background{ background-color: rgb(177,  
166, 168) }
```

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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