

Converting Colors

XYZ(38.8431, 42.9249, 39.4958)

Have a look what the booklet for
XYZ(38.8431, 42.9249, 39.4958)
contains.

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Color

**XYZ(38.8431, 42.9249,
39.4958)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB2A0
RGB	170, 178, 160
RGB Percent	67%, 70%, 63%
CMY	0.3333, 0.3019, 0.3725
CMYK	0.04, 0.00, 0.10, 0.30
HSL	87°, 10%, 66%
HSV	87°, 10%, 70%
XYZ	38.8431, 42.9249, 39.4958
YIQ	173.5560, 1.0100, -7.2940

Conversions

Conversions Part 2

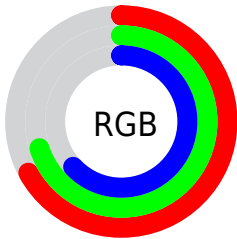
Format	Color
RYB	160, 178, 168
Decimal	11186848
CIELab	71.50, -6.13, 8.23
CIELCh	72, 10.262, 126.648
Yxy	42.9249, 0.3203, 0.3540
Android (android.graphics.Color)	4289376928 (0xFFAAB2A0)
YUV	173.5560, -6.6831, -3.1186
Hunter-Lab	65.5171, -8.8277, 10.1201

Details

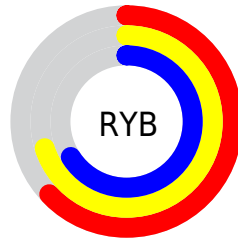
The XYZ color **38.8431, 42.9249, 39.4958** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7569, 36.6820, 47.2648**, and the grayscale version is **40.0382, 42.1233, 45.8723**.

A 20% lighter version of the original color is **72.7399, 79.7595, 75.8513**, and **17.5651, 19.6229, 17.3298** is the 20% darker color. If you saturate the color by 10%, you get **35.7369, 41.4921, 31.7956**, and if you desaturate by 10%, it is **42.2777, 44.5037, 48.3770**.

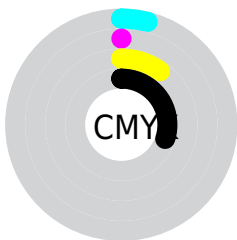
Distribution



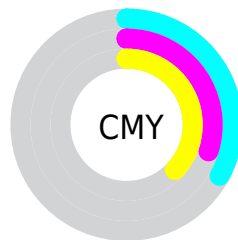
- Red (67%)
- Green (70%)
- Blue (63%)



- Red (63%)
- Yellow (70%)
- Blue (66%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (30%)



- Cyan (33%)
- Magenta (30%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8431, 42.9249, 39.4958 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 38.8431, 42.9249, 39.4958 by changing the saturation by 10% instead.

■ 38.8431, 42.9249,
39.4958

■ 38.8431, 42.9249,
39.4958

332.4416,
358.3028, 359.4825

■ 26.8179, 29.8262,
26.8349

■ 72.6942, 79.5975,
75.6238

■ 17.5724, 19.7067,
17.2179

■ 95.2507, 103.9402,
99.9279

■ 10.7412, 12.1820,
10.2264

122.0484,
132.7997, 128.9502

■ 5.9591, 6.8678,
5.4417

153.4526,
166.5604, 163.1091

■ 2.8607, 3.3795,
2.4455

189.8287,
205.6066, 202.8233

■ 1.0805, 1.3329,
0.8110

231.5420,

■ 0.0087, 0.1665,

250.3229, 248.5112

0.0000

278.9578,
301.0935, 300.5915

■ 0.0000, 0.0000,
0.0000

■ 38.8431, 42.9249,
39.4958

■ 38.8431, 42.9249,
39.4958

■ 35.7369, 41.4921,
31.7956

■ 42.2777, 44.5037,
48.3770

■ 32.9443, 40.1950,
25.2239

■ 46.0477, 46.2275,
58.4833

■ 30.4545, 39.0305,
19.7284

■ 50.1645, 48.1022,
69.8598

■ 28.2547, 37.9933,
15.2514

■ 54.6376, 50.1320,
82.5485

■ 26.3311, 37.0776,
11.7300

■ 59.4763, 52.3207,
96.5896

■ 24.6683, 36.2770,
9.0942

■ 62.7300, 53.8882,
101.7030

■ 23.2491, 35.5844,
7.2644

■ 65.1460, 55.1337,
101.8160

■ 22.0537, 34.9917,
6.1469

■ 67.6765, 56.4382,
101.9345

■ 21.0526, 34.4878,
5.5472

■ 70.3229, 57.8025,
102.0583

Harmonies

Analogous

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



40.4145, 42.9249, 37.8901



38.8431, 42.9249, 39.4958



37.8171, 42.9249, 43.0585

Triad

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



38.8431, 42.9249, 39.4958



39.4930, 42.9249, 56.0525



44.1969, 42.9249, 45.6424

Complementary

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



38.8431, 42.9249, 39.4958



36.7569, 36.6820, 47.2648

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.



43.9333, 42.9249, 50.6212



38.8431, 42.9249, 39.4958



41.1856, 42.9249, 56.8659

Square

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



38.8431, 42.9249, 39.4958



38.1848, 42.9249, 52.6652



42.8191, 42.9249, 54.8153



43.5295, 42.9249, 41.2729

Rectangle

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



38.8431, 42.9249, 39.4958



37.5638, 42.9249, 46.1825



42.8191, 42.9249, 54.8153



44.2145, 42.9249, 47.2977

Sweetspot

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



38.8443, 42.9268, 39.4967



74.7722, 79.8331, 82.7659



38.6726, 39.9361, 38.9285



16.4533, 17.6354, 18.0441



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.



38.8443, 42.9268, 39.4967



69.2098, 77.2751, 68.5229



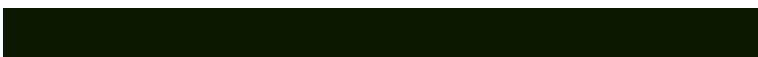
37.0051, 41.9787, 39.4107



8.8252, 9.7150, 9.0626



15.1358, 24.7129, 3.9723



0.5421, 0.8115, 0.1281

Inverse Universe

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



36.7569, 36.6820, 47.2648



64.7056, 63.7998, 85.2854



38.6942, 37.6808, 47.3555



8.3886, 8.4089, 10.6873



8.1350, 3.5295, 30.3895



0.3234, 0.1458, 0.9593

Previews

White Background



This preview shows how the XYZ color 38.8431, 42.9249, 39.4958 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 38.8431, 42.9249, 39.4958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

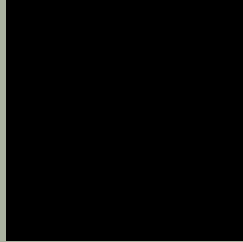
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8431, 42.9249, 39.4958

Background



This preview shows how black text looks on a background with the XYZ color 38.8431, 42.9249, 39.4958.



This preview shows how white text looks on a background with the XYZ color 38.8431, 42.9249,

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

38.8431, 42.9249, 39.4958

Protanopia

40.5990, 42.6858, 38.4471

Deuteranopia

43.7355, 42.8549, 40.1491



Tritanopia

41.6687, 42.9016, 53.6616

Trichromacy



Original Color

38.8431, 42.9249, 39.4958

Protanomaly

39.9481, 42.6281, 38.9234

Deuteranomaly

41.6791, 42.6431, 39.7524

Tritanomaly

40.5994, 42.7585, 48.2329

Monochromacy



Original Color

38.8431, 42.9249, 39.4958

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.7250, 42.4088, 43.6281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8431, 42.9249, 39.4958 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(170, 178, 160)` looks like.

```
.text, #text, p{  
    color:rgb(170, 178, 160)  
}
```

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(170, 178, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 178, 160) }
```

Border

The CSS property to change the border of an element to XYZ 38.8431, 42.9249, 39.4958 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(170, 178, 160) }
```


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

```
.border{ border-color:rgb(170, 178, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 178, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 178, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 178, 160);  
box-shadow:4px 4px 4px 4px rgb(170, 178,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8431, 42.9249, 39.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 178, 160) }
```

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

```
.background{ background-color: rgb(170,  
178, 160) }
```

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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