

Converting Colors

XYZ(41.8755, 42.7331, 38.6660)

Have a look what the booklet for
XYZ(41.8755, 42.7331, 38.6660)
contains.

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Color

**XYZ(41.9968, 42.8271,
38.8539)**

Conversions

Conversions Part 1

Format	Color
Hex	BDAC9F
RGB	189, 172, 159
RGB Percent	74%, 67%, 62%
CMY	0.2588, 0.3255, 0.3765
CMYK	0.00, 0.09, 0.16, 0.26
HSL	26°, 19%, 68%
HSV	26°, 16%, 74%
XYZ	41.9968, 42.8271, 38.8539
YIQ	175.6010, 14.3050, -0.4390

Conversions

Conversions Part 2

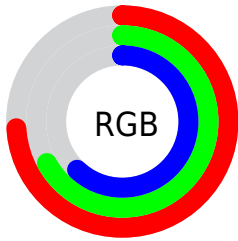
Format	Color
R _Y B	189, 182, 159
Decimal	12430495
CIE Lab	71.44, 3.94, 8.90
CIE LCh	71, 9.730, 66.097
Yxy	42.8271, 0.3396, 0.3463
Android (android.graphics.Color)	4290620575 (0xFFBDAC9F)
YUV	175.6010, -8.1843, 11.7509
Hunter-Lab	65.4424, 0.0258, 10.6086

Details

The XYZ color **41.9968, 42.8271, 38.8539** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.0085, 42.0948, 54.2136**, and the grayscale version is **41.0962, 43.2364, 47.0844**.

A 20% lighter version of the original color is **77.2629, 79.2057, 74.8344**, and **19.4149, 19.6665, 16.9601** is the 20% darker color. If you saturate the color by 10%, you get **38.5244, 38.3090, 30.2141**, and if you desaturate by 10%, it is **45.8866, 47.7777, 48.8711**.

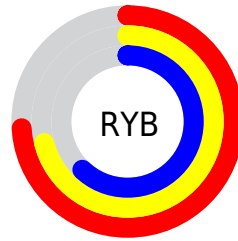
Distribution



Red (74%)

Green (67%)

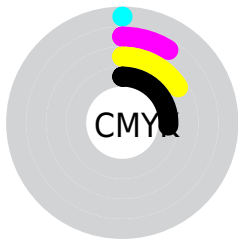
Blue (62%)



Red (74%)

Yellow (71%)

Blue (62%)

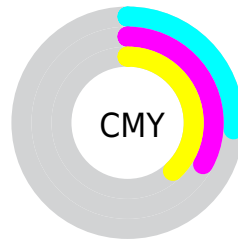


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (26%)



Cyan (26%)


Magenta (33%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9968, 42.8271, 38.8539 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 41.9968, 42.8271, 38.8539 by changing the saturation by 10% instead.


 41.9968, 42.8271,
38.8539

 41.9968, 42.8271,
38.8539


345.4615,
357.9002, 356.6763

 29.2899, 29.7495,
26.3391


 77.4600, 79.4499,
74.6330

 19.4456, 19.6485,
16.8495


 100.9469,
103.7638, 98.7343

 12.0986, 12.1398,
9.9664

128.7580,
132.5920, 127.5350

 6.8836, 6.8390,
5.2714

161.2584,
166.3188, 161.4534

 3.4351, 3.3616,
2.3458

198.8137,
205.3287, 200.9083

 1.3878, 1.3233,
0.7567

241.7890,

 0.2475, 0.1591,

250.0059, 246.3180

0.0000

290.5498,
300.7350, 298.1012

■ 0.0000, 0.0000,
0.0000

■ 41.9968, 42.8271,
38.8539

■ 41.9968, 42.8271,
38.8539

■ 38.5244, 38.3090,
30.2141

■ 45.8866, 47.7777,
48.8711

■ 35.4506, 34.2056,
22.8878

■ 50.2047, 53.1669,
60.3203

■ 32.7605, 30.5058,
16.8104

■ 54.9657, 59.0078,
73.2563

■ 30.4365, 27.1961,
11.9102

■ 60.1828, 65.3111,
87.7301

■ 28.4597, 24.2618,
8.1086

■ 65.8683, 72.0873,
103.7906

■ 26.8089, 21.6873,
5.3168

■ 69.1041, 78.1743,
106.0547

■ 25.4602, 19.4555,
3.4323

■ 72.2844, 84.5349,
107.1148

■ 24.3844, 17.5466,
2.3256

■ 74.7964, 89.5589,
107.9521

■ 23.9980, 16.8420,
1.9860

Harmonies

Analogous

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



43.3070, 42.8271, 41.5114



41.9968, 42.8271, 38.8539



40.3719, 42.8271, 38.2169

Triad

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



41.9968, 42.8271, 38.8539



37.6506, 42.8271, 47.5970



42.5918, 42.8271, 54.3146

Complementary

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



41.9968, 42.8271, 38.8539



39.0085, 42.0948, 54.2136

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.



41.0416, 42.8271, 56.1985



41.9968, 42.8271, 38.8539



38.2111, 42.8271, 52.1560

Square

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



41.9968, 42.8271, 38.8539



37.8909, 42.8271, 43.0676



39.4417, 42.8271, 55.3832



43.6569, 42.8271, 50.3867

Rectangle

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



41.9968, 42.8271, 38.8539



39.3347, 42.8271, 38.9834



39.4417, 42.8271, 55.3832



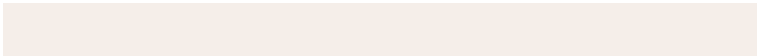
42.1086, 42.8271, 55.2195

Sweetspot

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



41.9980, 42.8290, 38.8548



82.7670, 86.3054, 89.0580



41.2213, 38.7503, 46.3817



17.6872, 18.4192, 18.8596



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



41.9980, 42.8290, 38.8548



73.0008, 73.8431, 64.0060



45.0150, 48.8630, 39.8605



9.8612, 10.1983, 10.0254



16.2195, 11.4779, 1.3606



0.7004, 0.5798, 0.0750

Inverse Universe

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



39.0085, 42.0948, 54.2136



66.6433, 72.2807, 96.6653



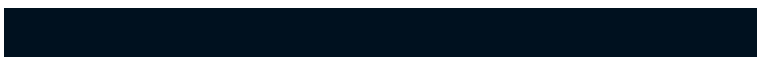
36.2288, 36.5354, 53.2870



9.4529, 10.0981, 12.1231



9.8002, 9.7121, 33.7510



0.4478, 0.5082, 1.3434

Previews

White Background



This preview shows how the XYZ color 41.9968, 42.8271, 38.8539 looks on a white background.

Color Contrast Check

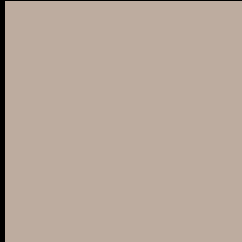
Large Text (above 18pt) WCAG AA × Fail

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 41.9968, 42.8271, 38.8539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

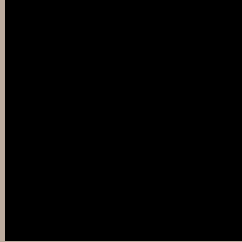
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9968, 42.8271, 38.8539

Background



This preview shows how black text looks on a background with the XYZ color 41.9968, 42.8271, 38.8539.



This preview shows how white text looks on a background with the XYZ color 41.9968, 42.8271,

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

41.9968, 42.8271, 38.8539

Protanopia

40.7726, 42.7553, 39.3613

Deuteranopia

43.8218, 42.9198, 39.2324



Tritanopia

44.3697, 42.9598, 50.2095

Trichromacy



Original Color

41.9968, 42.8271, 38.8539

Protanomaly

41.2963, 42.7395, 39.3307

Deuteranomaly

43.2256, 42.8896, 39.2580

Tritanomaly

43.5006, 42.8818, 46.0287

Monochromacy



Original Color

41.9968, 42.8271, 38.8539

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.6417, 43.3860, 44.2098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9968, 42.8271, 38.8539 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(189, 172, 159)` looks like.

```
.text, #text, p{  
    color:rgb(189, 172, 159)  
}
```

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(189, 172, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 172, 159) }
```

Border

The CSS property to change the border of an element to XYZ 41.9968, 42.8271, 38.8539 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(189, 172, 159) }
```


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

```
.border{ border-color:rgb(189, 172, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 172, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 172, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 172, 159);  
box-shadow:4px 4px 4px 4px rgb(189, 172,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9968, 42.8271, 38.8539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 172, 159) }
```

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

```
.background{ background-color: rgb(189,  
172, 159) }
```

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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