

Converting Colors

XYZ(39.0433, 38.3410, 56.6042)

Have a look what the booklet for
XYZ(39.0433, 38.3410, 56.6042)
contains.

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Color

**XYZ(38.9832, 38.4143,
56.3990)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A3C2
RGB	168, 163, 194
RGB Percent	66%, 64%, 76%
CMY	0.3412, 0.3608, 0.2392
CMYK	0.13, 0.16, 0.00, 0.24
HSL	250°, 20%, 70%
HSV	250°, 16%, 76%
XYZ	38.9832, 38.4143, 56.3990
YIQ	168.0290, -6.9710, 10.7010

Conversions

Conversions Part 2

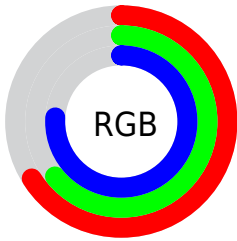
Format	Color
R _Y B	168, 163, 194
Decimal	11051970
CIE Lab	68.32, 8.02, -15.23
CIE LCh	68, 17.216, 297.776
Yxy	38.4143, 0.2914, 0.2871
Android (android.graphics.Color)	4289242050 (0xFFA8A3C2)
YUV	168.0290, 12.8037, -0.0254
Hunter-Lab	61.9793, 3.8077, -10.5664

Details

The XYZ color **38.9832, 38.4143, 56.3990** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.8904, 52.0478, 42.2271**, and the grayscale version is **37.1762, 39.1123, 42.5933**.

A 20% lighter version of the original color is **72.9154, 72.7958, 101.4747**, and **17.6205, 16.9753, 27.1588** is the 20% darker color. If you saturate the color by 10%, you get **32.5493, 30.3711, 55.1862**, and if you desaturate by 10%, it is **46.3814, 47.7410, 57.8099**.

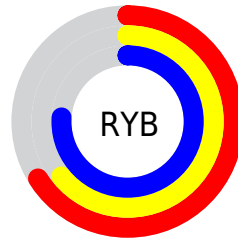
Distribution



Red (66%)

Green (64%)

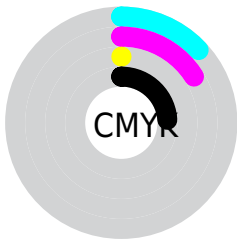
Blue (76%)



Red (66%)

Yellow (64%)

Blue (76%)

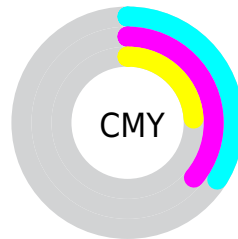


Cyan (13%)

Magenta (16%)

Yellow (0%)

Black (24%)



Cyan (34%)

Magenta (36%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9832, 38.4143, 56.3990 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 38.9832, 38.4143, 56.3990 by changing the saturation by 10% instead.

■ 38.9832, 38.4143,
56.3990

■ 38.9832, 38.4143,
56.3990

333.0275,
339.3939, 428.6239

■ 26.9273, 26.3044,
40.1168

■ 72.9069, 72.7427,
101.0793

■ 17.6550, 17.0515,
27.3151

■ 95.5054, 95.7300,
130.3145

■ 10.8007, 10.2712,
17.5755

122.3489,
123.1119, 164.7044

■ 5.9993, 5.5792,
10.4794

153.8026,
155.2727, 204.6676

■ 2.8853, 2.5909,
5.6082

190.2320,
192.5970, 250.6226

■ 1.0934, 0.9221,
2.5434

232.0023,

■ 0.0196, 0.0000,

235.4690, 302.9880

0.8630

279.4790,
284.2732, 362.1822

■ 0.0000, 0.0000,
0.0000

■ 38.9832, 38.4143,
56.3990

■ 38.9832, 38.4143,
56.3990

■ 32.5493, 30.3711,
55.1862

■ 46.3814, 47.7410,
57.8099

■ 27.0362, 23.5504,
54.1603

■ 54.7779, 58.3991,
59.4246

■ 22.4024, 17.8933,
53.3126

■ 64.2096, 70.4399,
61.2516

■ 18.6015, 13.3342,
52.6329

■ 74.7101, 83.9108,
63.2983

■ 15.5830, 9.8008,
52.1100

■ 84.6944, 95.6217,
65.0325

■ 13.2908, 7.2123,
51.7312

■ 86.7377, 96.6751,
65.1281

■ 11.6607, 5.4752,
51.4818

■ 10.6152, 4.4732,
51.3435

■ 10.3112, 4.1907,
51.3050

Harmonies

Analogous

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



36.3106, 38.4143, 58.5005



38.9832, 38.4143, 56.3990



41.0790, 38.4143, 50.2608

Triad

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



38.9832, 38.4143, 56.3990



39.3487, 38.4143, 30.4737



31.5688, 38.4143, 41.2526

Complementary

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



38.9832, 38.4143, 56.3990



46.8904, 52.0478, 42.2271

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.



32.2960, 38.4143, 34.3931



38.9832, 38.4143, 56.3990



36.7134, 38.4143, 28.6665

Square

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



38.9832, 38.4143, 56.3990



41.2972, 38.4143, 35.2773



34.1468, 38.4143, 30.0091



32.1108, 38.4143, 49.1402

Rectangle

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



38.9832, 38.4143, 56.3990



41.8206, 38.4143, 45.0524



34.1468, 38.4143, 30.0091



31.6721, 38.4143, 38.7586

Sweetspot

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



38.9844, 38.4159, 56.3999



85.3222, 88.1284, 104.9833



43.1161, 48.2286, 58.0761



18.4587, 19.0132, 22.9470



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.9844, 38.4159, 56.3999



66.5644, 64.5026, 101.4117



42.4003, 40.1769, 56.5597



9.6762, 9.8242, 12.6711



6.8256, 2.7792, 33.7333



0.3435, 0.1451, 1.4598

Inverse Universe

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



44.5320, 41.3396, 53.7785



78.4545, 70.7713, 95.6851



43.3261, 50.2103, 42.0603



10.4253, 10.2187, 12.3301



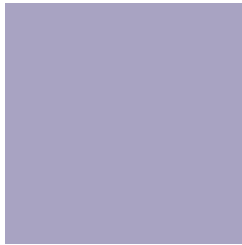
18.9831, 9.2830, 23.6208



0.8393, 0.4087, 1.1211

Previews

White Background



This preview shows how the XYZ color 38.9832, 38.4143, 56.3990 looks on a white background.

Color Contrast Check

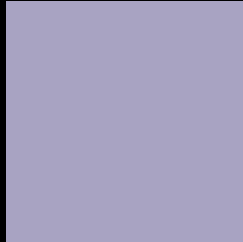
Large Text (above 18pt) WCAG AA × Fail

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 38.9832, 38.4143, 56.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

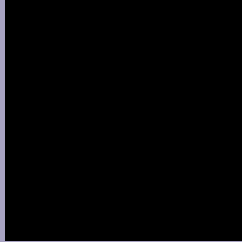
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9832, 38.4143, 56.3990

Background



This preview shows how black text looks on a background with the XYZ color 38.9832, 38.4143, 56.3990.



This preview shows how white text looks on a background with the XYZ color 38.9832, 38.4143,

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

38.9832, 38.4143, 56.3990

Protanopia

38.0034, 38.4275, 57.0440

Deuteranopia

39.1970, 38.5244, 56.4090



Tritanopia

37.2900, 38.5264, 48.1188

Trichromacy



Original Color

38.9832, 38.4143, 56.3990

Protanomaly

38.4356, 38.3836, 57.0128

Deuteranomaly

39.1970, 38.5244, 56.4090

Tritanomaly

37.8327, 38.4779, 50.7804

Monochromacy



Original Color

38.9832, 38.4143, 56.3990

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.7205, 38.7716, 47.0906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9832, 38.4143, 56.3990 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(168, 163, 194)` looks like.

```
.text, #text, p{  
    color:rgb(168, 163, 194)  
}
```

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(168, 163, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 163, 194) }
```

Border

The CSS property to change the border of an element to XYZ 38.9832, 38.4143, 56.3990 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(168, 163, 194) }
```


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

```
.border{ border-color:rgb(168, 163, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 163, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 163, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 163, 194);  
box-shadow:4px 4px 4px 4px rgb(168, 163,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9832, 38.4143, 56.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 163, 194) }
```

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

```
.background{ background-color: rgb(168,  
163, 194) }
```

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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