

Converting Colors

XYZ(40.1972, 38.1874, 51.5265)

Have a look what the booklet for
XYZ(40.1972, 38.1874, 51.5265)
contains.

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Color

**XYZ(40.0835, 38.0447,
51.6851)**

Conversions

Conversions Part 1

Format	Color
Hex	B49FBA
RGB	180, 159, 186
RGB Percent	71%, 62%, 73%
CMY	0.2941, 0.3765, 0.2706
CMYK	0.03, 0.15, 0.00, 0.27
HSL	287°, 16%, 68%
HSV	287°, 15%, 73%
XYZ	40.0835, 38.0447, 51.6851
YIQ	168.3570, 3.8490, 12.8490

Conversions

Conversions Part 2

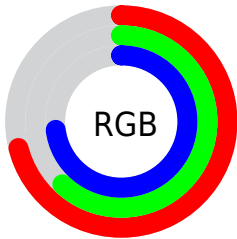
Format	Color
R _Y B	180, 159, 186
Decimal	11837370
CIE Lab	68.05, 12.66, -11.09
CIE LCh	68, 16.830, 318.759
Yxy	38.0447, 0.3088, 0.2931
Android (android.graphics.Color)	4290027450 (0xFFB49FBA)
YUV	168.3570, 8.6980, 10.2109
Hunter-Lab	61.6804, 8.0590, -6.5058

Details

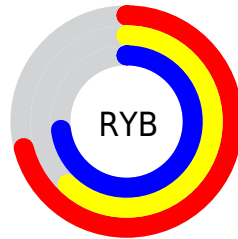
The XYZ color **40.0835, 38.0447, 51.6851** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.3352, 45.6212, 39.5353**, and the grayscale version is **37.3530, 39.2983, 42.7959**.

A 20% lighter version of the original color is **74.6657, 72.3368, 94.0315**, and **18.3486, 16.9306, 24.4912** is the 20% darker color. If you saturate the color by 10%, you get **36.1750, 31.6344, 50.6544**, and if you desaturate by 10%, it is **44.5043, 45.4357, 52.8793**.

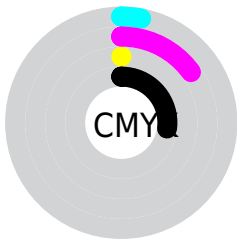
Distribution



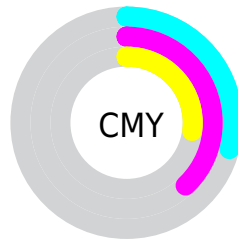
- Red (71%)
- Green (62%)
- Blue (73%)



- Red (71%)
- Yellow (62%)
- Blue (73%)



- Cyan (3%)
- Magenta (15%)
- Yellow (0%)
- Black (27%)



- Cyan (29%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0835, 38.0447, 51.6851 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 40.0835, 38.0447, 51.6851 by changing the saturation by 10% instead.

■ 40.0835, 38.0447,
51.6851

■ 40.0835, 38.0447,
51.6851

337.6038,
337.8117, 410.1420

■ 27.7882, 26.0174,
36.3736

■ 74.5742, 72.1766,
94.0885

■ 18.3057, 16.8366,
24.4309

■ 97.5002, 95.0501,
122.0175

■ 11.2707, 10.1181,
15.4384

124.7005,
122.3076, 154.9895

■ 6.3178, 5.4773,
8.9776

156.5405,
154.3338, 193.4229

■ 3.0818, 2.5300,
4.6300

193.3854,
191.5128, 237.7363

■ 1.1972, 0.8916,
1.9769

235.6007,

■ 0.1041, 0.0000,

234.2293, 288.3483

0.5410

283.5517,
282.8674, 345.6773

■ 0.0000, 0.0000,
0.0000

■ 40.0835, 38.0447,
51.6851

■ 40.0835, 38.0447,
51.6851

■ 36.1750, 31.6344,
50.6544

■ 44.5043, 45.4357,
52.8793

■ 32.7537, 26.1568,
49.7774

■ 49.4542, 53.8427,
54.2411

■ 29.7974, 21.5675,
49.0474

■ 54.9537, 63.3054,
55.7777

■ 27.2808, 17.8160,
48.4559

■ 61.0209, 73.8598,
57.4952

■ 25.1761, 14.8473,
47.9938

■ 67.6731, 85.5404,
59.3991

■ 23.4521, 12.5992,
47.6508

■ 69.7451, 88.0161,
59.7678

■ 22.0728, 11.0002,
47.4148

■ 70.8991, 88.6110,
59.8218

■ 20.9948, 9.9638,
47.2716

■ 72.0834, 89.2215,
59.8772

■ 20.4817, 9.5348,
47.2158

■ 73.2982, 89.8478,
59.9341

Harmonies

Analogous

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



37.8053, 38.0447, 56.6474



40.0835, 38.0447, 51.6851



41.3315, 38.0447, 44.3016

Triad

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



40.0835, 38.0447, 51.6851



37.1516, 38.0447, 28.8201



31.5956, 38.0447, 46.2410

Complementary

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



40.0835, 38.0447, 51.6851



39.3352, 45.6212, 39.5353

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.



31.4395, 38.0447, 38.6742



40.0835, 38.0447, 51.6851



34.5638, 38.0447, 29.2064

Square

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



40.0835, 38.0447, 51.6851



39.5851, 38.0447, 31.4922



32.5019, 38.0447, 32.6200



32.9390, 38.0447, 53.2516

Rectangle

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



40.0835, 38.0447, 51.6851



41.3730, 38.0447, 39.2651



32.5019, 38.0447, 32.6200



31.4050, 38.0447, 43.6611

Sweetspot

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



40.0846, 38.0463, 51.6859



81.0471, 82.9970, 95.9498



36.6718, 37.9363, 51.8446



17.7062, 18.0384, 21.0911



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.



40.0846, 38.0463, 51.6859



70.6034, 65.5708, 93.1366



40.7654, 38.4835, 47.8223



9.1804, 9.0594, 11.3442



13.8456, 6.4489, 31.7681



0.5371, 0.2526, 1.1222

Inverse Universe

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



39.4406, 37.9536, 40.8458



69.2664, 65.3904, 70.0868



38.7596, 45.2502, 42.8655



9.0842, 9.0440, 9.7906



13.9203, 7.1419, 2.2014



0.5144, 0.2612, 0.2023

Previews

White Background



This preview shows how the XYZ color 40.0835, 38.0447, 51.6851 looks on a white background.

Color Contrast Check

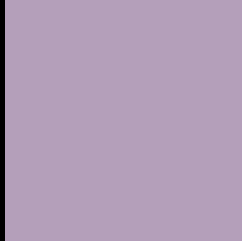
Large Text (above 18pt) WCAG AA × Fail

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 40.0835, 38.0447, 51.6851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

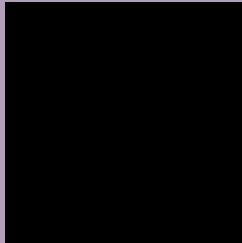
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0835, 38.0447, 51.6851

Background



This preview shows how black text looks on a background with the XYZ color 40.0835, 38.0447, 51.6851.



This preview shows how white text looks on a background with the XYZ color 40.0835, 38.0447,

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

40.0835, 38.0447, 51.6851

Protanopia

37.6497, 38.3094, 54.1253

Deuteranopia

39.0168, 38.2701, 51.7848



Tritanopia

38.7449, 38.0107, 45.3391

Trichromacy



Original Color

40.0835, 38.0447, 51.6851

Protanomaly

38.6447, 38.3035, 53.5006

Deuteranomaly

39.5123, 38.2650, 51.7577

Tritanomaly

39.1971, 37.9397, 47.3767

Monochromacy



Original Color

40.0835, 38.0447, 51.6851

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.2063, 38.7761, 46.0283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0835, 38.0447, 51.6851 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(180, 159, 186)` looks like.

```
.text, #text, p{  
    color:rgb(180, 159, 186)  
}
```

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(180, 159, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 159, 186) }
```

Border

The CSS property to change the border of an element to XYZ 40.0835, 38.0447, 51.6851 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(180, 159, 186) }
```


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

```
.border{ border-color:rgb(180, 159, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 159, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 159, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 159, 186);  
box-shadow:4px 4px 4px 4px rgb(180, 159,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0835, 38.0447, 51.6851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 159, 186) }
```

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

```
.background{ background-color: rgb(180,  
159, 186) }
```

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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