

Converting Colors

XYZ(38.7805, 33.5100, 50.6779)

Have a look what the booklet for
XYZ(38.7805, 33.5100, 50.6779)
contains.

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Color

**XYZ(38.9351, 33.6292,
50.8934)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8FBA
RGB	186, 143, 186
RGB Percent	73%, 56%, 73%
CMY	0.2706, 0.4392, 0.2706
CMYK	0.00, 0.23, 0.00, 0.27
HSL	300°, 24%, 65%
HSV	300°, 23%, 73%
XYZ	38.9351, 33.6292, 50.8934
YIQ	160.7590, 11.8250, 22.4890

Conversions

Conversions Part 2

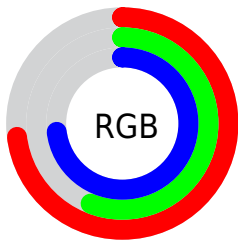
Format	Color
R_{YB}	186, 143, 186
Decimal	12226490
CIE _{Lab}	64.67, 23.64, -16.13
CIE _{LCh}	65, 28.617, 325.685
Yxy	33.6292, 0.3154, 0.2724
Android (android.graphics.Color)	4290416570 (0xFFBA8FBA)
YUV	160.7590, 12.4438, 22.1364
Hunter-Lab	57.9907, 18.3617, -11.4402

Details

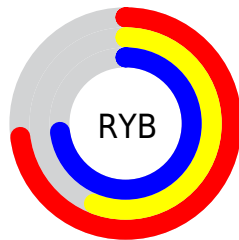
The XYZ color **38.9351, 33.6292, 50.8934** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.8459, 42.9417, 32.4931**, and the grayscale version is **33.7056, 35.4609, 38.6169**.

A 20% lighter version of the original color is **72.9554, 65.3980, 92.7823**, and **17.5765, 14.2533, 24.0151** is the 20% darker color. If you saturate the color by 10%, you get **36.3714, 28.5013, 50.0391**, and if you desaturate by 10%, it is **41.9638, 39.6860, 51.9034**.

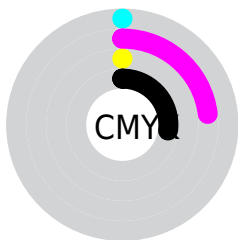
Distribution



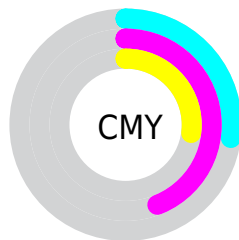
- Red (73%)
- Green (56%)
- Blue (73%)



- Red (73%)
- Yellow (56%)
- Blue (73%)



- Cyan (0%)
- Magenta (23%)
- Yellow (0%)
- Black (27%)





- Cyan (27%)
- Magenta (44%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9351, 33.6292, 50.8934 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 38.9351, 33.6292, 50.8934 by changing the saturation by 10% instead.

 38.9351, 33.6292,
50.8934


 38.9351, 33.6292,
50.8934

332.8264,
318.4755, 406.9842

 26.8897, 22.6089,
35.7476

 72.8339, 65.3566,
92.9071

 17.6266, 14.3050,
23.9512


 95.4180, 86.8325,
120.6121

 10.7803, 8.3331,
15.0856


122.2457,
112.5624, 153.3405

 5.9855, 4.3088,
8.7322

153.6825,
142.9307, 191.5110

 2.8768, 1.8478,
4.4725

190.0936,
178.3217, 235.5421

 1.0890, 0.5167,
1.8880

231.8443,

 0.0159, 0.0000,

219.1200, 285.8523

0.4851

279.3002,
265.7097, 342.8602

■ 0.0000, 0.0000,
0.0000

■ 38.9351, 33.6292,
50.8934

■ 38.9351, 33.6292,
50.8934

■ 36.3714, 28.5013,
50.0391

■ 41.9638, 39.6860,
51.9034

■ 34.2469, 24.2522,
49.3309

■ 45.4756, 46.7096,
53.0741

■ 32.5377, 20.8339,
48.7611

■ 49.4916, 54.7415,
54.4128

■ 31.2168, 18.1921,
48.3207

■ 54.0304, 63.8191,
55.9258

■ 30.2537, 16.2660,
47.9996

■ 59.1100, 73.9782,
57.6191

■ 29.6135, 14.9856,
47.7862

■ 64.7472, 85.2527,
59.4982

■ 29.2544, 14.2673,
47.6664

■ 64.8731, 85.5045,
59.5403

■ 29.1129, 13.9844,
47.6192

■ 64.8731, 85.5045,
59.5403

■ 64.8732, 85.5045,
59.5404

Harmonies

Analogous

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



35.5076, 33.6292, 60.9957



38.9351, 33.6292, 50.8934



40.4967, 33.6292, 38.3436

Triad

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



38.9351, 33.6292, 50.8934



32.5610, 33.6292, 18.3863



25.3658, 33.6292, 47.3123

Complementary

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



38.9351, 33.6292, 50.8934



33.8459, 42.9417, 32.4931

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.



24.7221, 33.6292, 34.9421



38.9351, 33.6292, 50.8934



28.6635, 33.6292, 19.7911

Square

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



38.9351, 33.6292, 50.8934



36.6222, 33.6292, 20.9411



25.8782, 33.6292, 25.2955



27.7177, 33.6292, 58.6370

Rectangle

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



38.9351, 33.6292, 50.8934



40.1796, 33.6292, 30.8397



25.8782, 33.6292, 25.2955



24.9516, 33.6292, 43.0731

Sweetspot

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



38.9361, 33.6307, 50.8941



79.7728, 79.3561, 95.3141



30.0146, 29.0314, 50.4768



17.4820, 17.3049, 20.9613



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.



38.9361, 33.6307, 50.8941



67.9857, 55.7820, 91.3848



36.8195, 32.7840, 39.7478



9.3810, 9.1628, 11.3536



19.5860, 9.4082, 32.0362



0.6905, 0.3317, 1.1294

Inverse Universe

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



38.9361, 33.6307, 50.8941



67.9857, 55.7820, 91.3848



35.6339, 43.6569, 41.9090



9.3810, 9.1628, 11.3536



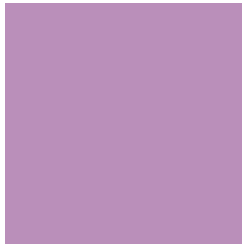
19.5860, 9.4082, 32.0362



0.6905, 0.3317, 1.1294

Previews

White Background



This preview shows how the XYZ color 38.9351, 33.6292, 50.8934 looks on a white background.

Color Contrast Check

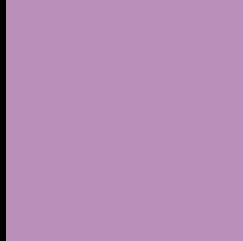
Large Text (above 18pt) WCAG AA × Fail

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 38.9351, 33.6292, 50.8934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

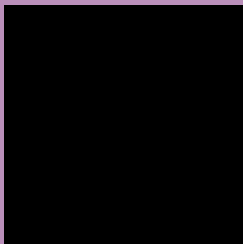
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9351, 33.6292, 50.8934

Background



This preview shows how black text looks on a background with the XYZ color 38.9351, 33.6292, 50.8934.



This preview shows how white text looks on a background with the XYZ color 38.9351, 33.6292,

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

38.9351, 33.6292, 50.8934

Protanopia

33.9515, 34.0130, 56.4055

Deuteranopia

34.3410, 33.6141, 50.0256



Tritanopia

36.1393, 33.6281, 37.3870

Trichromacy



Original Color

38.9351, 33.6292, 50.8934

Protanomaly

35.4813, 33.6204, 54.4885

Deuteranomaly

35.8666, 33.4327, 50.4617

Tritanomaly

36.9688, 33.4896, 42.0518

Monochromacy



Original Color

38.9351, 33.6292, 50.8934

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.3889, 34.5595, 42.8357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9351, 33.6292, 50.8934 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(186, 143, 186)` looks like.

```
.text, #text, p{  
    color:rgb(186, 143, 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(186, 143, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 143, 186) }
```

Border

The CSS property to change the border of an element to XYZ 38.9351, 33.6292, 50.8934 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(186, 143, 186) }
```


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

```
.border{ border-color:rgb(186, 143, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 143, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 143, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 143, 186);  
box-shadow:4px 4px 4px 4px rgb(186, 143,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9351, 33.6292, 50.8934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 143, 186) }
```

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

```
.background{ background-color: rgb(186,  
143, 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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