

Converting Colors

XYZ(38.8781, 33.4525, 51.0037)

Have a look what the booklet for
XYZ(38.8781, 33.4525, 51.0037)
contains.

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Color

**XYZ(38.7856, 33.3303,
50.8435)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8EBA
RGB	186, 142, 186
RGB Percent	73%, 56%, 73%
CMY	0.2706, 0.4431, 0.2706
CMYK	0.00, 0.24, 0.00, 0.27
HSL	300°, 24%, 64%
HSV	300°, 24%, 73%
XYZ	38.7856, 33.3303, 50.8435
YIQ	160.1720, 12.1000, 23.0120

Conversions

Conversions Part 2

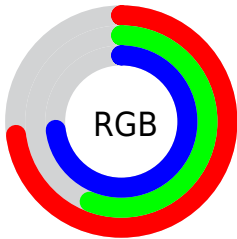
Format	Color
R _Y B	186, 142, 186
Decimal	12226234
CIE Lab	64.43, 24.19, -16.50
CIE LCh	64, 29.281, 325.714
Yxy	33.3303, 0.3154, 0.2711
Android (android.graphics.Color)	4290416314 (0xFFBA8EBA)
YUV	160.1720, 12.7332, 22.6512
Hunter-Lab	57.7324, 18.8876, -11.8026

Details

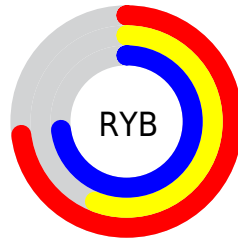
The XYZ color **38.7856, 33.3303, 50.8435** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.5981, 42.8226, 32.0878**, and the grayscale version is **33.4330, 35.1741, 38.3046**.

A 20% lighter version of the original color is **72.7291, 64.9453, 92.7069**, and **17.4904, 14.0812, 23.9864** is the 20% darker color. If you saturate the color by 10%, you get **36.2462, 28.2509, 49.9973**, and if you desaturate by 10%, it is **41.7888, 39.3362, 51.8450**.

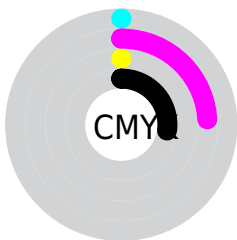
Distribution



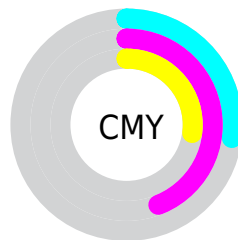
- Red (73%)
- Green (56%)
- Blue (73%)



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



- Cyan (0%)
- Magenta (24%)
- Yellow (0%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7856, 33.3303, 50.8435 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 38.7856, 33.3303, 50.8435 by changing the saturation by 10% instead.

■ 38.7856, 33.3303,
50.8435

■ 38.7856, 33.3303,
50.8435

332.2010,
317.1355, 406.7846

■ 26.7730, 22.3796,
35.7082

■ 72.6068, 64.8909,
92.8325

■ 17.5385, 14.1361,
23.9210

■ 95.1461, 86.2695,
120.5234

■ 10.7168, 8.2154,
15.0634

■ 121.9251,
111.8929, 153.2364

■ 5.9426, 4.2331,
8.7168

153.3089,
142.1455, 191.3903

■ 2.8506, 1.8048,
4.4626

189.6631,
177.4117, 235.4035

■ 1.0752, 0.4901,
1.8824

231.3529,

■ 0.0042, 0.0000,

218.0758, 285.6946

0.4815

278.7438,
264.5223, 342.6821

■ 0.0000, 0.0000,
0.0000

■ 38.7856, 33.3303,
50.8435

■ 38.7856, 33.3303,
50.8435

■ 36.2462, 28.2509,
49.9973

■ 41.7888, 39.3362,
51.8450

■ 34.1446, 24.0477,
49.2968

■ 45.2741, 46.3067,
53.0068

■ 32.4570, 20.6726,
48.7342

■ 49.2625, 54.2834,
54.3363

■ 31.1562, 18.0709,
48.3005

■ 53.7727, 63.3039,
55.8398

■ 30.2114, 16.1814,
47.9855

■ 58.8228, 73.4040,
57.5232

■ 29.5875, 14.9335,
47.7775

■ 64.4296, 84.6177,
59.3922

■ 29.2420, 14.2426,
47.6623

■ 64.8731, 85.5045,
59.5401

■ 29.1129, 13.9844,
47.6192

■ 64.8731, 85.5045,
59.5402

■ 64.8731, 85.5045,
59.5402

Harmonies

Analogous

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



35.2915, 33.3303, 61.1949



38.7856, 33.3303, 50.8435



40.3776, 33.3303, 38.0365

Triad

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



38.7856, 33.3303, 50.8435



32.2832, 33.3303, 17.8541



24.9834, 33.3303, 47.2076

Complementary

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



38.7856, 33.3303, 50.8435



33.5981, 42.8226, 32.0878

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.



24.3298, 33.3303, 34.5998



38.7856, 33.3303, 50.8435



28.3226, 33.3303, 19.2686

Square

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



38.7856, 33.3303, 50.8435



36.4201, 33.3303, 20.4173



25.4990, 33.3303, 24.8197



27.3691, 33.3303, 58.7928

Rectangle

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



38.7856, 33.3303, 50.8435



40.0522, 33.3303, 30.4139



25.4990, 33.3303, 24.8197



24.5633, 33.3303, 42.8803

Sweetspot

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



38.7866, 33.3318, 50.8442



79.7728, 79.3561, 95.3141



29.6928, 28.6437, 50.4188



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.



38.7866, 33.3318, 50.8442



67.9857, 55.7820, 91.3848



36.6247, 32.4670, 39.4597



9.3810, 9.1628, 11.3536



19.5860, 9.4082, 32.0363



0.6905, 0.3317, 1.1294

Inverse Universe

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



38.7866, 33.3318, 50.8442



67.9857, 55.7820, 91.3848



35.4163, 43.5499, 41.6626



9.3810, 9.1628, 11.3536



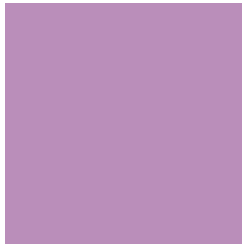
19.5860, 9.4082, 32.0363



0.6905, 0.3317, 1.1294

Previews

White Background



This preview shows how the XYZ color 38.7856, 33.3303, 50.8435 looks on a white background.

Color Contrast Check

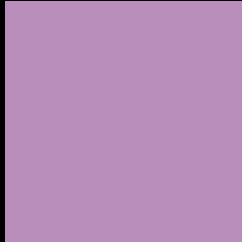
Large Text (above 18pt) WCAG AA × Fail

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 38.7856, 33.3303, 50.8435 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 38.7856, 33.3303, 50.8435

Background



This preview shows how black text looks on a background with the XYZ color 38.7856, 33.3303, 50.8435.



This preview shows how white text looks on a background with the XYZ color 38.7856, 33.3303,

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

38.7856, 33.3303, 50.8435

Protanopia

33.6043, 33.5859, 56.3413

Deuteranopia

34.1435, 33.5123, 50.0164



Tritanopia

35.8967, 33.2811, 36.8797

Trichromacy



Original Color

38.7856, 33.3303, 50.8435

Protanomaly

35.1187, 33.1955, 54.4256

Deuteranomaly

35.6529, 33.3225, 50.4517

Tritanomaly

36.7217, 33.1452, 41.5080

Monochromacy



Original Color

38.7856, 33.3303, 50.8435

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.9149, 34.0821, 42.2744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7856, 33.3303, 50.8435 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, 142, 186)` looks like.

```
.text, #text, p{  
    color:rgb(186, 142, 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, 142, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 142, 186) }
```

Border

The CSS property to change the border of an element to XYZ 38.7856, 33.3303, 50.8435 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, 142, 186) }
```


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

```
.border{ border-color:rgb(186, 142, 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, 142, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 142, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 142, 186);  
box-shadow:4px 4px 4px 4px rgb(186, 142,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7856, 33.3303, 50.8435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 142, 186) }
```

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

```
.background{ background-color: rgb(186,  
142, 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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