

Converting Colors

XYZ(38.1586, 33.1763, 45.8009)

Have a look what the booklet for
XYZ(38.1586, 33.1763, 45.8009)
contains.

XYZ(38.1023, 33.0851, 45.9728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.1023, 33.0851,
45.9728)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8EB1
RGB	187, 142, 177
RGB Percent	73%, 56%, 69%
CMY	0.2667, 0.4431, 0.3059
CMYK	0.00, 0.24, 0.05, 0.27
HSL	313°, 25%, 65%
HSV	313°, 24%, 73%
XYZ	38.1023, 33.0851, 45.9728
YIQ	159.4450, 15.5850, 20.4250

Conversions

Conversions Part 2

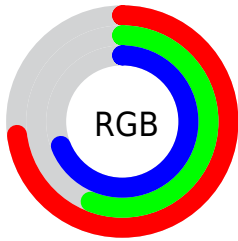
Format	Color
R_{YB}	187, 142, 177
Decimal	12291761
CIE _{Lab}	64.23, 22.85, -11.71
CIE _{LCh}	64, 25.682, 332.863
Yxy	33.0851, 0.3252, 0.2824
Android (android.graphics.Color)	4290481841 (0xFFBB8EB1)
YUV	159.4450, 8.6546, 24.1657
Hunter-Lab	57.5196, 17.5830, -7.1240

Details

The XYZ color **38.1023, 33.0851, 45.9728** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.5945, 43.5594, 36.2921**, and the grayscale version is **33.1158, 34.8404, 37.9412**.

A 20% lighter version of the original color is **71.7561, 64.5961, 85.7771**, and **17.0520, 13.9240, 20.8576** is the 20% darker color. If you saturate the color by 10%, you get **35.1423, 27.8176, 42.9737**, and if you desaturate by 10%, it is **41.5436, 39.2941, 49.1954**.

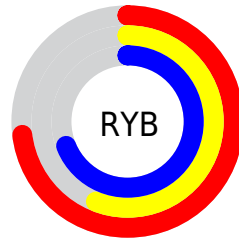
Distribution



Red (73%)

Green (56%)

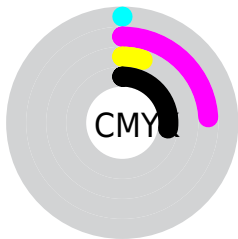
Blue (69%)



Red (73%)

Yellow (56%)

Blue (69%)

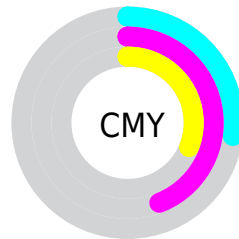


Cyan (0%)

Magenta (24%)

Yellow (5%)

Black (27%)



Cyan (27%)


Magenta (44%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1023, 33.0851, 45.9728 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 38.1023, 33.0851, 45.9728 by changing the saturation by 10% instead.


 38.1023, 33.0851,
45.9728

 38.1023, 33.0851,
45.9728

329.3319,
316.0330, 386.9737

 26.2397, 22.1916,
31.8758


 71.5678, 64.5084,
85.5121

 17.1366, 13.9978,
21.0027


 93.9014, 85.8070,
111.7916

 10.4279, 8.1191,
12.9347


 120.4560,
111.3427, 142.9690

 5.7480, 4.1713,
7.2534

151.5970,
141.5001, 179.4629

 2.7317, 1.7698,
3.5402

187.6897,
176.6634, 221.6917

 1.0135, 0.4683,
1.3767

229.0995,

 0.0000, 0.0000,

217.2171, 270.0741

0.1234

276.1918,
263.5455, 325.0286

0.0000, 0.0000,
0.0000

38.1023, 33.0851,
45.9728

38.1023, 33.0851,
45.9728

35.1423, 27.8176,
42.9737

41.5436, 39.2941,
49.1954

32.6374, 23.4405,
40.1875

45.4851, 46.4835,
52.6471

30.5630, 19.9048,
37.6061

49.9480, 54.6954,
56.3360

28.8913, 17.1548,
35.2194

54.9518, 63.9682,
60.2690

27.5909, 15.1281,
33.0166

60.5146, 74.3382,
64.4527

■ 26.6259, 13.7527,
30.9850

■ 66.6538, 85.8399,
68.8934

■ 25.9527, 12.9419,
29.1095

■ 67.4056, 86.5456,
71.6037

■ 25.6387, 12.6229,
28.0521

■ 67.9176, 86.7504,
74.2999

■ 68.4430, 86.9606,
77.0671

Harmonies

Analogous

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



35.4033, 33.0851, 55.6427



38.1023, 33.0851, 45.9728



38.9755, 33.0851, 35.0311

Triad

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



38.1023, 33.0851, 45.9728



31.0977, 33.0851, 19.4707



25.9210, 33.0851, 48.0455

Complementary

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



38.1023, 33.0851, 45.9728



34.5945, 43.5594, 36.2921

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.



24.9553, 33.0851, 37.0356



38.1023, 33.0851, 45.9728



27.7958, 33.0851, 21.6620

Square

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



38.1023, 33.0851, 45.9728



34.7514, 33.0851, 20.9558



25.6146, 33.0851, 27.6253



28.3578, 33.0851, 56.9927

Rectangle

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



38.1023, 33.0851, 45.9728



38.3538, 33.0851, 28.7771



25.6146, 33.0851, 27.6253



25.4225, 33.0851, 44.3956

Sweetspot

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



38.1033, 33.0866, 45.9735



79.2116, 79.1316, 92.3592



31.5462, 29.5868, 51.0624



17.3481, 17.2513, 20.2561



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.



38.1033, 33.0866, 45.9735



65.2709, 53.9516, 79.3842



36.0631, 32.2705, 35.2300



9.8367, 9.6590, 11.5293



17.6931, 8.7084, 19.4753



0.7159, 0.3502, 0.8831

Inverse Universe

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



38.1033, 33.0866, 45.9735



65.2709, 53.9516, 79.3842



36.5912, 44.3580, 46.8067



9.8367, 9.6590, 11.5293



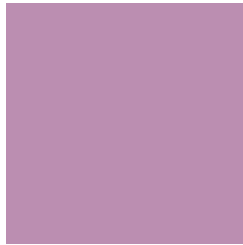
17.6931, 8.7084, 19.4753



0.7159, 0.3502, 0.8831

Previews

White Background



This preview shows how the XYZ color 38.1023, 33.0851, 45.9728 looks on a white background.

Color Contrast Check

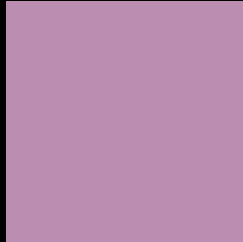
Large Text (above 18pt) WCAG AA × Fail

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 38.1023, 33.0851, 45.9728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

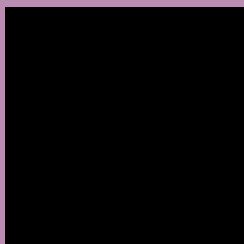
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1023, 33.0851, 45.9728

Background



This preview shows how black text looks on a background with the XYZ color 38.1023, 33.0851, 45.9728.



This preview shows how white text looks on a background with the XYZ color 38.1023, 33.0851,

45.9728.

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

38.1023, 33.0851, 45.9728

Protanopia

33.0560, 33.4295, 50.6092

Deuteranopia

33.8664, 33.2330, 45.1871



Tritanopia

36.1319, 33.1824, 36.3988

Trichromacy



Original Color

38.1023, 33.0851, 45.9728

Protanomaly

34.4541, 32.9766, 48.8052

Deuteranomaly

35.2210, 32.9723, 45.5822

Tritanomaly

36.8338, 33.2454, 39.5976

Monochromacy



Original Color

38.1023, 33.0851, 45.9728

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.6364, 33.9707, 40.8079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1023, 33.0851, 45.9728 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(187, 142, 177)` looks like.

```
.text, #text, p{  
    color:rgb(187, 142, 177)  
}
```

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(187, 142, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 142, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.1023, 33.0851, 45.9728 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(187, 142, 177) }
```


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

```
.border{ border-color:rgb(187, 142, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 142, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 142, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 142, 177);  
box-shadow:4px 4px 4px 4px rgb(187, 142,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1023, 33.0851, 45.9728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 142, 177) }
```

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

```
.background{ background-color: rgb(187,  
142, 177) }
```

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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