

Converting Colors

XYZ(38.9240, 34.0181, 45.0614)

Have a look what the booklet for
XYZ(38.9240, 34.0181, 45.0614)
contains.

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Color

**XYZ(38.9463, 33.9888,
45.0652)**

Conversions

Conversions Part 1

Format	Color
Hex	BE90AF
RGB	190, 144, 175
RGB Percent	75%, 56%, 69%
CMY	0.2549, 0.4353, 0.3137
CMYK	0.00, 0.24, 0.08, 0.25
HSL	320°, 26%, 65%
HSV	320°, 24%, 75%
XYZ	38.9463, 33.9888, 45.0652
YIQ	161.2880, 17.4650, 19.3930

Conversions

Conversions Part 2

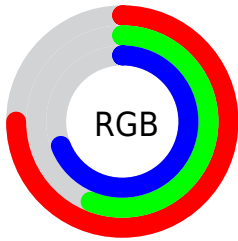
Format	Color
R_{YB}	190, 144, 175
Decimal	12488879
CIE _{Lab}	64.95, 22.44, -9.47
CIE _{LCh}	65, 24.354, 337.112
Yxy	33.9888, 0.3301, 0.2880
Android (android.graphics.Color)	4290678959 (0xFFBE90AF)
YUV	161.2880, 6.7600, 25.1804
Hunter-Lab	58.2999, 17.2191, -5.0206

Details

The XYZ color **38.9463, 33.9888, 45.0652** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.1744, 45.2603, 39.6325**, and the grayscale version is **33.9749, 35.7442, 38.9254**.

A 20% lighter version of the original color is **72.9757, 65.9318, 84.4812**, and **17.6428, 14.4930, 20.6064** is the 20% darker color. If you saturate the color by 10%, you get **35.7127, 28.4728, 41.0536**, and if you desaturate by 10%, it is **42.6942, 40.4876, 49.3868**.

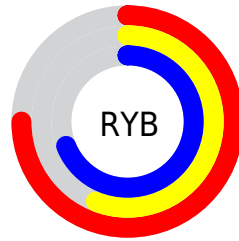
Distribution



Red (75%)

Green (56%)

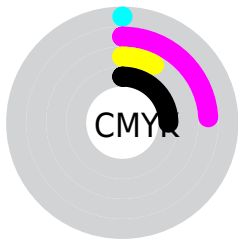
Blue (69%)



Red (75%)

Yellow (56%)

Blue (69%)

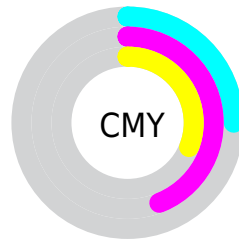


Cyan (0%)

Magenta (24%)

Yellow (8%)

Black (25%)



Cyan (25%)


Magenta (44%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9463, 33.9888, 45.0652 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 38.9463, 33.9888, 45.0652 by changing the saturation by 10% instead.


 38.9463, 33.9888,
45.0652

 38.9463, 33.9888,
45.0652


332.8732,
320.0821, 383.2054

 26.8985, 22.8850,
31.1655


 72.8509, 65.9163,
84.1377

 17.6332, 14.5086,
20.4654


 95.4383, 87.5087,
110.1476

 10.7851, 8.4753,
12.5463


122.2698,
113.3661, 141.0313

 5.9887, 4.4005,
6.9899

153.7104,
143.8730, 177.2073

 2.8788, 1.9000,
3.3774

190.1258,
179.4136, 219.0941

 1.0900, 0.5484,
1.2904

231.8811,

 0.0167, 0.0000,

220.3724, 267.1104

0.0539

279.3418,
267.1338, 321.6747

■ 0.0000, 0.0000,
0.0000

■ 38.9463, 33.9888,
45.0652

■ 38.9463, 33.9888,
45.0652

■ 35.7127, 28.4728,
41.0536

■ 42.6942, 40.4876,
49.3868

■ 32.9657, 23.8865,
37.3398

■ 46.9761, 48.0098,
54.0256

■ 30.6797, 20.1786,
33.9137

■ 51.8147, 56.5994,
58.9913

■ 28.8252, 17.2910,
30.7637

■ 57.2302, 66.2963,
64.2924

■ 27.3695, 15.1585,
27.8769

■ 63.2417, 77.1385,
69.9369

■ 26.2745, 13.7059,
25.2386

■ 68.9015, 87.2297,
75.6106

■ 25.4945, 12.8425,
22.8316

■ 69.6993, 87.5488,
79.8117

■ 25.1343, 12.5068,
21.5249

■ 70.5275, 87.8801,
84.1725

■ 71.3862, 88.2236,
88.6949

Harmonies

Analogous

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



36.5610, 33.9888, 54.7057



38.9463, 33.9888, 45.0652



39.4931, 33.9888, 34.6608

Triad

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



38.9463, 33.9888, 45.0652



31.4750, 33.9888, 20.9211



27.2058, 33.9888, 49.9707

Complementary

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



38.9463, 33.9888, 45.0652



36.1744, 45.2603, 39.6325

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.



26.0473, 33.9888, 39.4588



38.9463, 33.9888, 45.0652



28.3934, 33.9888, 23.6095

Square

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



38.9463, 33.9888, 45.0652



35.0082, 33.9888, 21.8761



26.4658, 33.9888, 29.9734



29.7453, 33.9888, 57.8777

Rectangle

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



38.9463, 33.9888, 45.0652



38.7081, 33.9888, 28.8628



26.4658, 33.9888, 29.9734



26.6507, 33.9888, 46.5574

Sweetspot

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



38.9473, 33.9903, 45.0659



82.7705, 82.8442, 95.3992



33.4812, 30.9927, 52.9332



18.0693, 18.0047, 20.8348



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



38.9473, 33.9903, 45.0659



67.3807, 56.1186, 77.7714



36.9127, 33.1765, 34.3520



9.7940, 9.6419, 11.3043



16.7500, 8.3312, 14.5090



0.6850, 0.3379, 0.7203

Inverse Universe

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



38.9473, 33.9903, 45.0659



67.3807, 56.1186, 77.7714



38.3150, 46.1166, 50.9043



9.7940, 9.6419, 11.3043



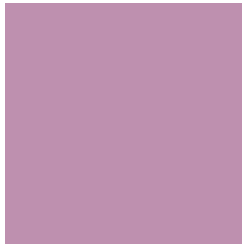
16.7500, 8.3312, 14.5090



0.6850, 0.3379, 0.7203

Previews

White Background



This preview shows how the XYZ color 38.9463, 33.9888, 45.0652 looks on a white background.

Color Contrast Check

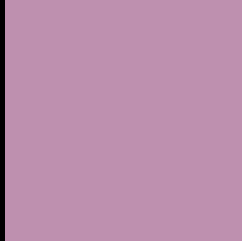
Large Text (above 18pt) WCAG AA × Fail

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 38.9463, 33.9888, 45.0652 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 38.9463, 33.9888, 45.0652

Background



This preview shows how black text looks on a background with the XYZ color 38.9463, 33.9888, 45.0652.



This preview shows how white text looks on a background with the XYZ color 38.9463, 33.9888,

45.0652.

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

38.9463, 33.9888, 45.0652

Protanopia

33.7411, 34.3051, 49.6430

Deuteranopia

34.8243, 34.2353, 44.3078



Tritanopia

37.3443, 34.0274, 36.9474

Trichromacy



Original Color

38.9463, 33.9888, 45.0652

Protanomaly

35.1923, 33.8588, 47.8606

Deuteranomaly

36.2255, 33.9826, 44.6944

Tritanomaly

37.9660, 34.0569, 39.6946

Monochromacy



Original Color

38.9463, 33.9888, 45.0652

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.6175, 34.9665, 40.9484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9463, 33.9888, 45.0652 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(190, 144, 175)` looks like.

```
.text, #text, p{  
    color:rgb(190, 144, 175)  
}
```

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(190, 144, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 144, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.9463, 33.9888, 45.0652 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(190, 144, 175) }
```


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

```
.border{ border-color:rgb(190, 144, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 144, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 144, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 144, 175);  
box-shadow:4px 4px 4px 4px rgb(190, 144,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9463, 33.9888, 45.0652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 144, 175) }
```

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

```
.background{ background-color: rgb(190,  
144, 175) }
```

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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