

Converting Colors

XYZ(45.4733, 43.8292, 61.9403)

Have a look what the booklet for
XYZ(45.4733, 43.8292, 61.9403)
contains.

XYZ(45.4733, 43.8292, 61.9403)	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(45.4733, 43.8292,
61.9403)**

Conversions

Conversions Part 1

Format	Color
Hex	BAABCA
RGB	186, 171, 202
RGB Percent	73%, 67%, 79%
CMY	0.2706, 0.3294, 0.2078
CMYK	0.08, 0.15, 0.00, 0.21
HSL	269°, 23%, 73%
HSV	269°, 15%, 79%
XYZ	45.4733, 43.8292, 61.9403
YIQ	179.0190, -1.0110, 12.8210

Conversions

Conversions Part 2

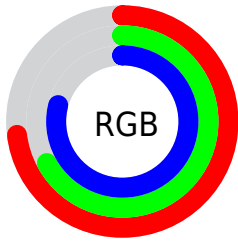
Format	Color
RYB	186, 171, 202
Decimal	12233674
CIELab	72.11, 11.26, -13.80
CIELCh	72, 17.806, 309.212
Yxy	43.8292, 0.3007, 0.2898
Android (android.graphics.Color)	4290423754 (0xFFBAABCA)
YUV	179.0190, 11.3296, 6.1223
Hunter-Lab	66.2036, 6.7500, -9.1294

Details

The XYZ color **45.4733, 43.8292, 61.9403** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.9663, 55.7473, 46.7097**, and the grayscale version is **42.8009, 45.0299, 49.0376**.

A 20% lighter version of the original color is **81.8643, 80.4900, 105.8291**, and **21.6150, 20.3183, 30.7996** is the 20% darker color. If you saturate the color by 10%, you get **39.5045, 35.5152, 60.6508**, and if you desaturate by 10%, it is **52.2127, 53.4084, 63.4347**.

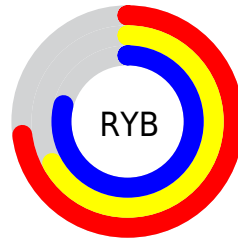
Distribution



Red (73%)

Green (67%)

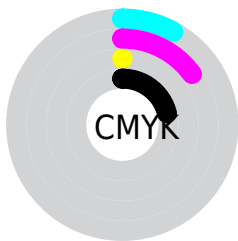
Blue (79%)



Red (73%)

Yellow (67%)

Blue (79%)

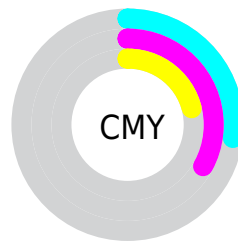


Cyan (8%)

Magenta (15%)

Yellow (0%)

Black (21%)



Cyan (27%)

Magenta (33%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4733, 43.8292, 61.9403 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 45.4733, 43.8292, 61.9403 by changing the saturation by 10% instead.

■ 45.4733, 43.8292,
61.9403

■ 45.4733, 43.8292,
61.9403

359.4386,
362.0108, 449.7149

■ 32.0333, 30.5363,
44.5490

■ 82.6629, 80.9607,
109.2100

■ 21.5426, 20.2460,
30.7620

107.1432,
105.5680, 139.9255

■ 13.6359, 12.5740,
20.1607

136.0342,
134.7155, 175.9194

■ 7.9479, 7.1358,
12.3267

169.7014,
168.7877, 217.6103

■ 4.1131, 3.5472,
6.8413

208.5101,
208.1690, 265.4168

■ 1.7663, 1.4236,
3.2861

252.8256,

■ 0.4973, 0.2341,

253.2436, 319.7574

1.2425

303.0133,
304.3961, 381.0506

■ 0.0000, 0.0000,
0.0140

■ 0.0000, 0.0000,
0.0000

■ 45.4733, 43.8292,
61.9403

■ 45.4733, 43.8292,
61.9403

■ 39.5045, 35.5152,
60.6508

■ 52.2127, 53.4084,
63.4347

■ 34.2720, 28.4060,
59.5544

■ 59.7472, 64.2986,
65.1396

■ 29.7447, 22.4446,
58.6423

■ 68.1052, 76.5500,
67.0639

■ 25.8875, 17.5670,
57.9041

■ 77.3122, 90.2087,
69.2150

■ 22.6619, 13.7027,
57.3283

■ 81.7258, 93.9847,
69.7113

■ 20.0249, 10.7724,
56.9017

■ 85.3313, 95.8434,
69.8800

■ 17.9272, 8.6847,
56.6092

■ 87.6608, 97.0443,
69.9890

■ 16.3094, 7.3278,
56.4326

■ 15.6694, 6.8463,
56.3734

Harmonies

Analogous

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



42.6034, 43.8292, 66.2764



45.4733, 43.8292, 61.9403



47.3796, 43.8292, 53.9291

Triad

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



45.4733, 43.8292, 61.9403



43.7726, 43.8292, 33.6911



36.1383, 43.8292, 50.4596

Complementary

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



45.4733, 43.8292, 61.9403



48.9663, 55.7473, 46.7097

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.



36.4172, 43.8292, 42.0115



45.4733, 43.8292, 61.9403



40.7274, 43.8292, 33.0013

Square

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



45.4733, 43.8292, 61.9403



46.3649, 43.8292, 37.8809



38.0629, 43.8292, 35.8661



37.2816, 43.8292, 59.1362

Rectangle

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



45.4733, 43.8292, 61.9403



47.7958, 43.8292, 47.9536



38.0629, 43.8292, 35.8661



36.0701, 43.8292, 47.4922

Sweetspot

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



45.4746, 43.8311, 61.9413



88.7367, 90.9063, 107.4775



45.2307, 48.4715, 62.8498



18.8094, 19.1940, 22.9634



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.4746, 43.8311, 61.9413



73.9296, 69.9103, 104.2053



49.4424, 45.8765, 62.1270



11.1097, 11.1059, 14.1285



10.1849, 4.4580, 36.2800



0.6129, 0.2751, 1.8757

Inverse Universe

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



47.8912, 45.2721, 53.2300



78.7433, 72.7813, 86.8329



45.3801, 53.8985, 46.5419



11.4500, 11.3087, 12.9044



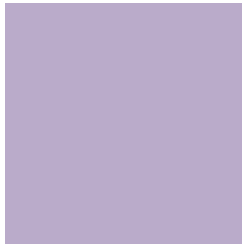
17.3353, 8.7447, 9.4843



0.9326, 0.4664, 0.6908

Previews

White Background



This preview shows how the XYZ color 45.4733, 43.8292, 61.9403 looks on a white background.

Color Contrast Check

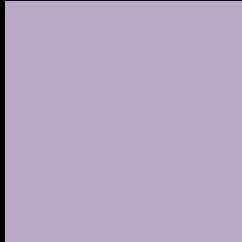
Large Text (above 18pt) WCAG AA × Fail

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 45.4733, 43.8292, 61.9403 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 45.4733, 43.8292, 61.9403

Background



This preview shows how black text looks on a background with the XYZ color 45.4733, 43.8292, 61.9403.



This preview shows how white text looks on a background with the XYZ color 45.4733, 43.8292,

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

45.4733, 43.8292, 61.9403

Protanopia

43.1440, 43.7256, 63.9236

Deuteranopia

44.7046, 43.7144, 61.9587



Tritanopia

43.8729, 44.0503, 53.2039

Trichromacy



Original Color

45.4733, 43.8292, 61.9403

Protanomaly

43.9396, 43.8618, 63.2771

Deuteranomaly

44.9416, 43.8366, 61.9697

Tritanomaly

44.4656, 44.0072, 56.0198

Monochromacy



Original Color

45.4733, 43.8292, 61.9403

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.7864, 44.5836, 53.3114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4733, 43.8292, 61.9403 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, 171, 202)` looks like.

```
.text, #text, p{  
    color:rgb(186, 171, 202)  
}
```

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, 171, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 171, 202) }
```

Border

The CSS property to change the border of an element to XYZ 45.4733, 43.8292, 61.9403 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, 171, 202) }
```


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

```
.border{ border-color:rgb(186, 171, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 171, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 171, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 171, 202);  
box-shadow:4px 4px 4px 4px rgb(186, 171,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4733, 43.8292, 61.9403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 171, 202) }
```

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

```
.background{ background-color: rgb(186,  
171, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor