

Converting Colors

XYZ(45.2711, 42.5082, 78.4557)

Have a look what the booklet for
XYZ(45.2711, 42.5082, 78.4557)
contains.

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Color

**XYZ(45.3233, 42.5500,
78.4972)**

Conversions

Conversions Part 1

Format	Color
Hex	AEA8E3
RGB	174, 168, 227
RGB Percent	68%, 66%, 89%
CMY	0.3176, 0.3412, 0.1098
CMYK	0.23, 0.26, 0.00, 0.11
HSL	246°, 51%, 77%
HSV	246°, 26%, 89%
XYZ	45.3233, 42.5500, 78.4972
YIQ	176.5200, -15.3630, 19.6210

Conversions

Conversions Part 2

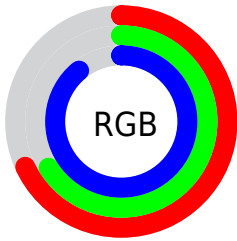
Format	Color
RYB	174, 168, 227
Decimal	11446499
CIELab	71.25, 14.56, -28.91
CIElCh	71, 32.364, 296.732
Yxy	42.5500, 0.2724, 0.2558
Android (android.graphics.Color)	4289636579 (0xFFAEA8E3)
YUV	176.5200, 24.8866, -2.2100
Hunter-Lab	65.2304, 9.8721, -25.6874

Details

The XYZ color **45.3233, 42.5500, 78.4972** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.3570, 73.1385, 47.7728**, and the grayscale version is **41.4192, 43.5762, 47.4545**.

A 20% lighter version of the original color is **77.0708, 76.8183, 105.3731**, and **21.3418, 19.4241, 41.1525** is the 20% darker color. If you saturate the color by 10%, you get **37.2895, 32.7217, 77.0243**, and if you desaturate by 10%, it is **54.7811, 54.2003, 80.2482**.

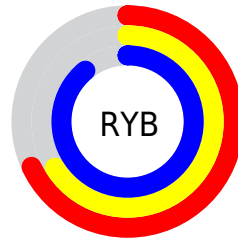
Distribution



Red (68%)

Green (66%)

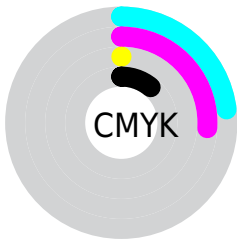
Blue (89%)



Red (68%)

Yellow (66%)

Blue (89%)

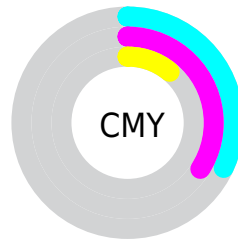


Cyan (23%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (32%)

Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3233, 42.5500, 78.4972 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 45.3233, 42.5500, 78.4972 by changing the saturation by 10% instead.

■ 45.3233, 42.5500,
78.4972

■ 45.3233, 42.5500,
78.4972

358.8431,
356.7579, 509.4263

■ 31.9145, 29.5322,
57.9636

■ 82.4394, 79.0314,
133.0430

■ 21.4514, 19.4838,
41.3649

■ 106.8775,
103.2637, 167.8924

■ 13.5687, 12.0204,
28.2825

135.7227,
132.0030, 208.3507

■ 7.9010, 6.7576,
18.2978

169.3403,
165.6337, 254.8366

■ 4.0829, 3.3109,
10.9924

208.0959,
204.5401, 307.7685

■ 1.7492, 1.2961,
5.9476

252.3546,

■ 0.4868, 0.1382,

249.1067, 367.5651

2.7450

302.4819,
299.7178, 434.6449

■ 0.0000, 0.0000,
0.9659

■ 0.0000, 0.0000,
0.0000

■ 45.3233, 42.5500,
78.4972

■ 45.3233, 42.5500,
78.4972

■ 37.2895, 32.7217,
77.0243

■ 54.7811, 54.2003,
80.2482

■ 30.6065, 24.6182,
75.8124

■ 65.7229, 67.7528,
82.2874

■ 25.2009, 18.1412,
74.8471

■ 78.2106, 83.2895,
84.6281

■ 20.9906, 13.1801,
74.1114

■ 90.8653, 98.3261,
86.8635

■ 17.8836, 9.6109,
73.5863

■ 15.7747, 7.2894,
73.2493

■ 14.5370, 6.0391,
73.0732

■ 14.2205, 5.7292,
73.0301

Harmonies

Analogous

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



39.8502, 42.5500, 83.0558



45.3233, 42.5500, 78.4972



49.8158, 42.5500, 64.7453

Triad

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



45.3233, 42.5500, 78.4972



46.4448, 42.5500, 25.5553



30.8882, 42.5500, 44.6458

Complementary

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



45.3233, 42.5500, 78.4972



64.3570, 73.1385, 47.7728

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.



32.3255, 42.5500, 31.7860



45.3233, 42.5500, 78.4972



41.0407, 42.5500, 22.4288

Square

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



45.3233, 42.5500, 78.4972



50.5029, 42.5500, 34.1386



35.9253, 42.5500, 24.4258



31.8156, 42.5500, 61.1243

Rectangle

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



45.3233, 42.5500, 78.4972



51.4800, 42.5500, 53.5372



35.9253, 42.5500, 24.4258



31.1074, 42.5500, 39.8000

Sweetspot

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



45.3247, 42.5517, 78.4982



82.4603, 84.3564, 106.5440



55.8977, 65.6377, 82.3970



17.1743, 17.4661, 22.7161



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.



45.3247, 42.5517, 78.4982



53.3298, 48.4399, 101.1468



52.6068, 46.3058, 78.8390



13.7181, 13.9569, 18.1153



8.3385, 3.3645, 42.5931



0.6625, 0.2725, 3.1496

Inverse Universe

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



58.7336, 49.5583, 74.8782



73.5382, 59.0041, 95.4782



56.1753, 68.9206, 47.3899



14.9286, 14.5886, 17.8246



24.8509, 12.0746, 34.4395



1.8547, 0.8996, 2.6415

Previews

White Background



This preview shows how the XYZ color 45.3233, 42.5500, 78.4972 looks on a white background.

Color Contrast Check

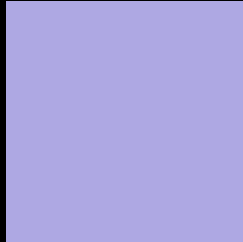
Large Text (above 18pt) WCAG AA × Fail

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 45.3233, 42.5500, 78.4972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

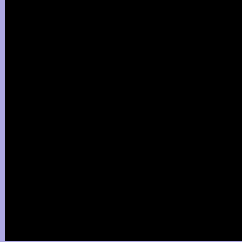
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3233, 42.5500, 78.4972

Background



This preview shows how black text looks on a background with the XYZ color 45.3233, 42.5500, 78.4972.



This preview shows how white text looks on a background with the XYZ color 45.3233, 42.5500,

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

45.3233, 42.5500, 78.4972

Protanopia

43.3335, 42.5891, 80.7995

Deuteranopia

43.3946, 42.4033, 77.8490



Tritanopia

40.4516, 42.5496, 54.2250

Trichromacy



Original Color

45.3233, 42.5500, 78.4972

Protanomaly

44.0156, 42.6755, 80.0461

Deuteranomaly

44.0385, 42.4559, 77.8252

Tritanomaly

42.1096, 42.3629, 62.4574

Monochromacy



Original Color

45.3233, 42.5500, 78.4972

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.8909, 43.4423, 57.7544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3233, 42.5500, 78.4972 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(174, 168, 227)` looks like.

```
.text, #text, p{  
    color:rgb(174, 168, 227)  
}
```

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(174, 168, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 168, 227) }
```

Border

The CSS property to change the border of an element to XYZ 45.3233, 42.5500, 78.4972 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(174, 168, 227) }
```


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

```
.border{ border-color:rgb(174, 168, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 168, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 168, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 168, 227);  
box-shadow:4px 4px 4px 4px rgb(174, 168,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3233, 42.5500, 78.4972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 168, 227) }
```

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

```
.background{ background-color: rgb(174,  
168, 227) }
```

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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