

Converting Colors

XYZ(24.5594, 22.6431, 42.8145)

Have a look what the booklet for
XYZ(24.5594, 22.6431, 42.8145)
contains.

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Color

**XYZ(24.5493, 22.6709,
42.6172)**

Conversions

Conversions Part 1

Format	Color
Hex	857DAD
RGB	133, 125, 173
RGB Percent	52%, 49%, 68%
CMY	0.4784, 0.5098, 0.3216
CMYK	0.23, 0.28, 0.00, 0.32
HSL	250°, 23%, 58%
HSV	250°, 28%, 68%
XYZ	24.5493, 22.6709, 42.6172
YIQ	132.8640, -10.6400, 16.6240

Conversions

Conversions Part 2

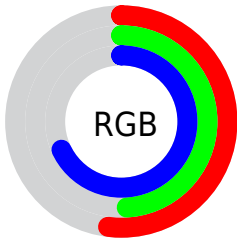
Format	Color
R_{YB}	133, 125, 173
Decimal	8748461
CIE _{Lab}	54.73, 13.54, -24.35
CIE _{LCh}	55, 27.861, 299.087
Yxy	22.6709, 0.2733, 0.2524
Android (android.graphics.Color)	4286938541 (0xFF857DAD)
YUV	132.8640, 19.7870, 0.1193
Hunter-Lab	47.6140, 8.7084, -19.7381

Details

The XYZ color **24.5493, 22.6709, 42.6172** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.1629, 39.3677, 25.2011**, and the grayscale version is **22.1786, 23.3336, 25.4103**.

A 20% lighter version of the original color is **50.5568, 48.0627, 80.7411**, and **9.4543, 8.3188, 18.8767** is the 20% darker color. If you saturate the color by 10%, you get **20.4251, 17.5723, 41.8508**, and if you desaturate by 10%, it is **29.3689, 28.6953, 43.5264**.

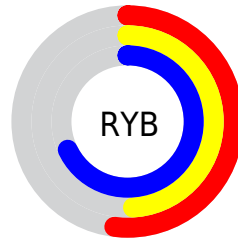
Distribution



Red (52%)

Green (49%)

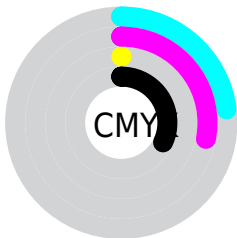
Blue (68%)



Red (52%)

Yellow (49%)

Blue (68%)

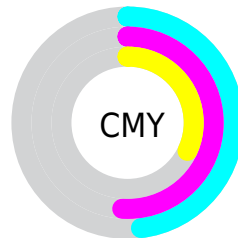


Cyan (23%)

Magenta (28%)

Yellow (0%)

Black (32%)



Cyan (48%)

Magenta (51%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5493, 22.6709, 42.6172 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 24.5493, 22.6709, 42.6172 by changing the saturation by 10% instead.

■ 24.5493, 22.6709,
42.6172

■ 24.5493, 22.6709,
42.6172

267.9752,
266.0301, 372.9100

■ 15.8685, 14.3507,
29.2557

■ 50.3733, 47.8524,
80.4130

■ 9.5214, 8.3650,
19.0271

■ 68.2472, 65.4824,
105.6844

■ 5.1426, 4.3294,
11.5129

■ 89.9162, 86.9846,
135.7629

■ 2.3668, 1.8595,
6.2944

115.7457,
112.7432, 171.0670

■ 0.8285, 0.5238,
2.9532

146.1010,
143.1426, 212.0152

■ 0.0000, 0.0000,
1.0708

181.3474,

■ 0.0000, 0.0000,

178.5674, 259.0261

0.0000

221.8503,
219.4017, 312.5181

■ 24.5493, 22.6709,
42.6172

■ 24.5493, 22.6709,
42.6172

■ 20.4251, 17.5723,
41.8508

■ 29.3689, 28.6953,
43.5264

■ 16.9616, 13.3507,
41.2185

■ 34.9119, 35.6855,
44.5835

■ 14.1245, 9.9569,
40.7130

■ 41.2076, 43.6827,
45.7953

■ 11.8754, 7.3358,
40.3256

■ 48.2828, 52.7248,
47.1677

■ 10.1716, 5.4252,
40.0466

■ 56.1631, 62.8476,
48.7062

■ 8.9642, 4.1535,
39.8648

■ 64.8729, 74.0852,
50.4163

■ 8.1835, 3.4103,
39.7625

■ 74.4356, 86.4705,
52.3029

■ 8.0448, 3.2759,
39.7439

■ 82.1340, 94.5553,
53.4576

■ 84.5429, 95.7972,
53.5704

Harmonies

Analogous

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



21.4541, 22.6709, 45.7591



24.5493, 22.6709, 42.6172



27.0240, 22.6709, 34.4361

Triad

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



24.5493, 22.6709, 42.6172



24.7275, 22.6709, 12.8289



16.1647, 22.6709, 24.4163

Complementary

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



24.5493, 22.6709, 42.6172



34.1629, 39.3677, 25.2011

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.



16.8668, 22.6709, 16.9736



24.5493, 22.6709, 42.6172



21.6422, 22.6709, 11.3386

Square

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



24.5493, 22.6709, 42.6172



27.1335, 22.6709, 17.3397



18.8019, 22.6709, 12.6555



16.7870, 22.6709, 33.8567

Rectangle

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



24.5493, 22.6709, 42.6172



27.8846, 22.6709, 28.0280



18.8019, 22.6709, 12.6555



16.2524, 22.6709, 21.6185

Sweetspot

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



24.5501, 22.6718, 42.6177



62.1073, 63.3817, 79.7663



29.6008, 34.5775, 44.6495



13.1638, 13.3525, 17.2712



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.5501, 22.6718, 42.6177



39.5115, 35.0812, 75.4946



28.6262, 24.7731, 42.8085



7.6987, 7.8190, 10.0561



5.9441, 2.4241, 29.1991



0.2020, 0.0863, 0.8140

Inverse Universe

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



31.3594, 26.2689, 39.0157



53.7176, 42.5916, 67.7160



29.7670, 37.1015, 24.9954



8.2789, 8.1248, 9.7795



16.3864, 8.0171, 20.2122



0.4708, 0.2290, 0.6411

Previews

White Background



This preview shows how the XYZ color 24.5493, 22.6709, 42.6172 looks on a white background.

Color Contrast Check

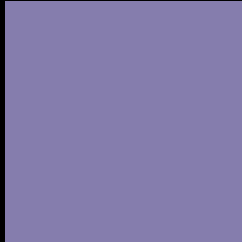
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5493, 22.6709, 42.6172 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 × Fail

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

XYZ 24.5493, 22.6709, 42.6172

Background



This preview shows how black text looks on a background with the XYZ color 24.5493, 22.6709, 42.6172.



This preview shows how white text looks on a background with the XYZ color 24.5493, 22.6709,

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

24.5493, 22.6709, 42.6172

Protanopia

23.1579, 22.6867, 44.2327

Deuteranopia

23.1818, 22.7440, 42.1979



Tritanopia

21.6764, 22.6677, 28.4321

Trichromacy



Original Color

24.5493, 22.6709, 42.6172

Protanomaly

23.6254, 22.7444, 43.7024

Deuteranomaly

23.6230, 22.7769, 42.1810

Tritanomaly

22.6533, 22.6675, 33.3183

Monochromacy



Original Color

24.5493, 22.6709, 42.6172

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.0008, 23.0899, 31.2615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5493, 22.6709, 42.6172 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(133, 125, 173)` looks like.

```
.text, #text, p{  
    color:rgb(133, 125, 173)  
}
```

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(133, 125, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 125, 173) }
```

Border

The CSS property to change the border of an element to XYZ 24.5493, 22.6709, 42.6172 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(133, 125, 173) }
```


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

```
.border{ border-color:rgb(133, 125, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 125, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 125, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 125, 173);  
box-shadow:4px 4px 4px 4px rgb(133, 125,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5493, 22.6709, 42.6172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 125, 173) }
```

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

```
.background{ background-color: rgb(133,  
125, 173) }
```

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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