

Converting Colors

XYZ(24.5223, 21.1149, 39.9756)

Have a look what the booklet for
XYZ(24.5223, 21.1149, 39.9756)
contains.

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Color

**XYZ(24.4686, 21.0687,
39.8228)**

Conversions

Conversions Part 1

Format	Color
Hex	8E74A8
RGB	142, 116, 168
RGB Percent	56%, 45%, 66%
CMY	0.4431, 0.5451, 0.3412
CMYK	0.15, 0.31, 0.00, 0.34
HSL	270°, 23%, 56%
HSV	270°, 31%, 66%
XYZ	24.4686, 21.0687, 39.8228
YIQ	129.7020, -1.1960, 21.6840

Conversions

Conversions Part 2

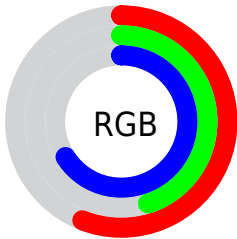
Format	Color
R _{YB}	142, 116, 168
Decimal	9335976
CIE _{Lab}	53.02, 20.55, -24.02
CIE _{LCh}	53, 31.613, 310.553
Y _{xy}	21.0687, 0.2867, 0.2468
Android (android.graphics.Color)	4287526056 (0xFF8E74A8)
YUV	129.7020, 18.8809, 10.7853
Hunter-Lab	45.9007, 14.8282, -19.3088

Details

The XYZ color **24.4686, 21.0687, 39.8228** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.3110, 35.0175, 21.7908**, and the grayscale version is **21.0493, 22.1455, 24.1165**.

A 20% lighter version of the original color is **50.0869, 45.0687, 75.8713**, and **9.5339, 7.6193, 17.4912** is the 20% darker color. If you saturate the color by 10%, you get **21.3172, 16.8250, 39.1701**, and if you desaturate by 10%, it is **28.0803, 26.0706, 40.5982**.

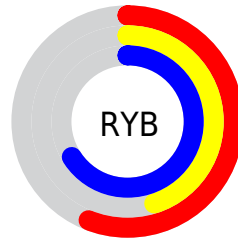
Distribution



Red (56%)

Green (45%)

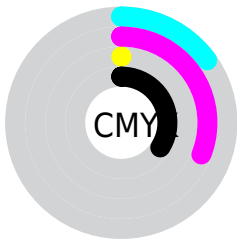
Blue (66%)



Red (56%)

Yellow (45%)

Blue (66%)

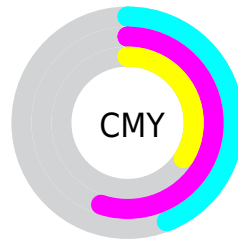


Cyan (15%)

Magenta (31%)

Yellow (0%)

Black (34%)



Cyan (44%)

Magenta (55%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4686, 21.0687, 39.8228 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 24.4686, 21.0687, 39.8228 by changing the saturation by 10% instead.

■ 24.4686, 21.0687,
39.8228

■ 24.4686, 21.0687,
39.8228

267.5778,
257.6434, 360.9060

■ 15.8082, 13.1742,
27.0877

■ 50.2429, 45.2018,
76.1277

■ 9.4785, 7.5486,
17.4061

■ 68.0876, 62.2093,
100.5346

■ 5.1142, 3.8075,
10.3594

■ 89.7244, 83.0232,
129.6692

■ 2.3499, 1.5665,
5.5292

■ 115.5187,
108.0280, 163.9500

■ 0.8200, 0.3348,
2.4969

145.8358,
137.6080, 203.7955

■ 0.0000, 0.0000,
0.8385

181.0411,

■ 0.0000, 0.0000,

172.1476, 249.6243

0.0000

221.5000,
212.0313, 301.8550

■ 24.4686, 21.0687,
39.8228

■ 24.4686, 21.0687,
39.8228

■ 21.3172, 16.8250,
39.1701

■ 28.0803, 26.0706,
40.5982

■ 18.6026, 13.2979,
38.6324

■ 32.1699, 31.8641,
41.5010

■ 16.3025, 10.4455,
38.2031

■ 36.7566, 38.4839,
42.5370

■ 14.3913, 8.2207,
37.8744

■ 41.8580, 45.9618,
43.7115

■ 12.8402, 6.5697,
37.6374

■ 47.4906, 54.3278,
45.0294

■ 11.6156, 5.4294,
37.4819

■ 53.6703, 63.6106,
46.4955

■ 10.7241, 4.7120,
37.3904

■ 60.4122, 73.8373,
48.1141

■ 67.7308, 85.0342,
49.8896

■ 71.6226, 89.1914,
50.4869

Harmonies

Analogous

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



21.2171, 21.0687, 46.0144



24.4686, 21.0687, 39.8228



26.6676, 21.0687, 29.5810

Triad

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



24.4686, 21.0687, 39.8228



22.2265, 21.0687, 9.6592



14.3825, 21.0687, 26.4539

Complementary

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



24.4686, 21.0687, 39.8228



28.3110, 35.0175, 21.7908

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.



14.5889, 21.0687, 17.3761



24.4686, 21.0687, 39.8228



18.8787, 21.0687, 9.2528

Square

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



24.4686, 21.0687, 39.8228



25.2774, 21.0687, 12.9891



16.1551, 21.0687, 11.6648



15.5561, 21.0687, 36.9968

Rectangle

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



24.4686, 21.0687, 39.8228



27.1105, 21.0687, 22.7643



16.1551, 21.0687, 11.6648



14.2963, 21.0687, 23.1171

Sweetspot

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



24.4693, 21.0696, 39.8233



59.7957, 59.8550, 75.6267



24.0735, 26.1458, 40.8239



12.7895, 12.6971, 16.4288



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.4693, 21.0696, 39.8233



40.4649, 32.9044, 71.4435



29.2784, 23.5487, 40.0483



7.4757, 7.4779, 9.4677



8.1576, 3.5888, 28.2382



0.2575, 0.1178, 0.6898

Inverse Universe

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



27.2769, 22.7694, 28.5492



46.5244, 36.5730, 47.1118



24.4739, 33.0394, 21.6112



7.6817, 7.6025, 8.6409



13.4290, 6.7803, 7.0707



0.3526, 0.1753, 0.3082

Previews

White Background



This preview shows how the XYZ color 24.4686, 21.0687, 39.8228 looks on a white background.

Color Contrast Check

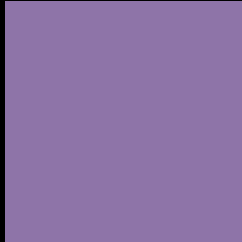
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4686, 21.0687, 39.8228 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 24.4686, 21.0687, 39.8228

Background



This preview shows how black text looks on a background with the XYZ color 24.4686, 21.0687, 39.8228.



This preview shows how white text looks on a background with the XYZ color 24.4686, 21.0687,

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

24.4686, 21.0687, 39.8228

Protanopia

21.7536, 21.2071, 43.5043

Deuteranopia

21.6878, 21.2720, 39.0392



Tritanopia

21.4699, 21.0936, 25.1302

Trichromacy



Original Color

24.4686, 21.0687, 39.8228

Protanomaly

22.5743, 21.1086, 41.9143

Deuteranomaly

22.6870, 21.2211, 39.4596

Tritanomaly

22.3860, 20.9115, 30.0506

Monochromacy



Original Color

24.4686, 21.0687, 39.8228

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.1992, 21.7492, 29.4135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4686, 21.0687, 39.8228 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(142, 116, 168)` looks like.

```
.text, #text, p{  
    color:rgb(142, 116, 168)  
}
```

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(142, 116, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 116, 168) }
```

Border

The CSS property to change the border of an element to XYZ 24.4686, 21.0687, 39.8228 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(142, 116, 168) }
```


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

```
.border{ border-color:rgb(142, 116, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 116, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 116, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 116, 168);  
box-shadow:4px 4px 4px 4px rgb(142, 116,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4686, 21.0687, 39.8228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 116, 168) }
```

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

```
.background{ background-color: rgb(142,  
116, 168) }
```

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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