

Converting Colors

XYZ(24.3617, 18.0260, 32.7239)

Have a look what the booklet for
XYZ(24.3617, 18.0260, 32.7239)
contains.

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Color

**XYZ(24.4221, 17.9911,
32.7573)**

Conversions

Conversions Part 1

Format	Color
Hex	A05F9A
RGB	160, 95, 154
RGB Percent	63%, 37%, 60%
CMY	0.3725, 0.6274, 0.3961
CMYK	0.00, 0.41, 0.04, 0.37
HSL	306°, 25%, 50%
HSV	306°, 41%, 63%
XYZ	24.4221, 17.9911, 32.7573
YIQ	121.1610, 19.8010, 32.1290

Conversions

Conversions Part 2

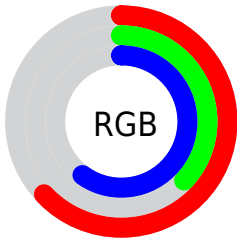
Format	Color
R_{YB}	160, 95, 154
Decimal	10510234
CIE _{Lab}	49.49, 35.61, -21.11
CIE _{LCh}	49, 41.393, 329.342
Yxy	17.9911, 0.3249, 0.2393
Android (android.graphics.Color)	4288700314 (0xFFA05F9A)
YUV	121.1610, 16.1896, 34.0618
Hunter-Lab	42.4159, 28.5483, -16.0978

Details

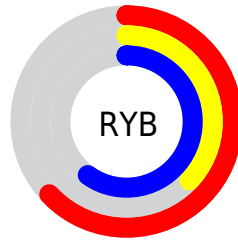
The XYZ color **24.4221, 17.9911, 32.7573** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.6398, 28.5146, 16.7817**, and the grayscale version is **18.1713, 19.1177, 20.8191**.

A 20% lighter version of the original color is **50.2612, 40.0698, 65.4068**, and **9.4886, 6.0591, 13.5014** is the 20% darker color. If you saturate the color by 10%, you get **23.0041, 15.3504, 31.6816**, and if you desaturate by 10%, it is **26.1388, 21.2261, 33.9404**.

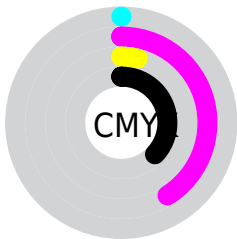
Distribution



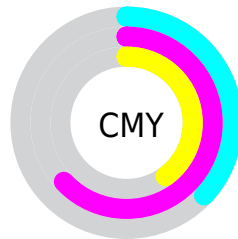
- Red (63%)
- Green (37%)
- Blue (60%)



- Red (63%)
- Yellow (37%)
- Blue (60%)



- Cyan (0%)
- Magenta (41%)
- Yellow (4%)
- Black (37%)



- Cyan (37%)
- Magenta (63%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4221, 17.9911, 32.7573 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 24.4221, 17.9911, 32.7573 by changing the saturation by 10% instead.

■ 24.4221, 17.9911,
32.7573

■ 24.4221, 17.9911,
32.7573

267.3486,
240.8209, 329.1531

■ 15.7735, 10.9436,
21.6710

■ 50.1678, 40.0222,
65.1081

■ 9.4538, 6.0289,
13.4194

■ 67.9956, 55.7745,
87.2096

■ 5.0978, 2.8627,
7.5838

■ 89.6138, 75.1973,
113.8200

■ 2.3401, 1.0605,
3.7459

■ 115.3878, 98.6748,
145.3577

■ 0.8151, 0.0000,
1.4870

145.6829,
126.5915, 182.2413

■ 0.0000, 0.0000,
0.2082

180.8645,

■ 0.0000, 0.0000,

159.3319, 224.8894

0.0000

221.2980,
197.2802, 273.7205

■ 24.4221, 17.9911,
32.7573

■ 24.4221, 17.9911,
32.7573

■ 23.0041, 15.3504,
31.6816

■ 26.1388, 21.2261,
33.9404

■ 21.8647, 13.2650,
30.7060

■ 28.1692, 25.0862,
35.2354

■ 20.9844, 11.6952,
29.8242

■ 30.5292, 29.6034,
36.6478

■ 20.3400, 10.5949,
29.0284

■ 33.2334, 34.8063,
38.1825

■ 19.9045, 9.9099,
28.3096

■ 36.2952, 40.7221,
39.8440

■ 19.6260, 9.5251,
27.6855

■ 39.7276, 47.3766,
41.6366

■ 43.5428, 54.7941,
43.5644

■ 47.7523, 62.9979,
45.6313

■ 52.3674, 72.0102,
47.8410

Harmonies

Analogous

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



21.0576, 17.9911, 45.0120



24.4221, 17.9911, 32.7573



25.7794, 17.9911, 19.8378

Triad

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



24.4221, 17.9911, 32.7573



17.1866, 17.9911, 4.9782



11.3447, 17.9911, 32.1569

Complementary

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



24.4221, 17.9911, 32.7573



19.6398, 28.5146, 16.7817

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.



10.6267, 17.9911, 19.3427



24.4221, 17.9911, 32.7573



13.6722, 17.9911, 6.1708

Square

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



24.4221, 17.9911, 32.7573



21.2301, 17.9911, 6.2861



11.4106, 17.9911, 10.5288



13.5436, 17.9911, 44.5823

Rectangle

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



24.4221, 17.9911, 32.7573



25.2259, 17.9911, 13.2849



11.4106, 17.9911, 10.5288



10.9385, 17.9911, 27.6265

Sweetspot

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



24.4227, 17.9919, 32.7577



54.7010, 52.3486, 66.1142



15.7399, 13.4566, 35.0258



11.8800, 11.2570, 14.4310



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.4227, 17.9919, 32.7577



41.9266, 28.1640, 57.6507



22.1081, 17.0661, 20.5691



6.8777, 6.7440, 8.2073



15.2967, 7.4233, 21.6114



0.2804, 0.1355, 0.4229

Inverse Universe

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



24.4227, 17.9919, 32.7577



41.9266, 28.1640, 57.6507



21.5187, 29.2661, 26.6756



6.8777, 6.7440, 8.2073



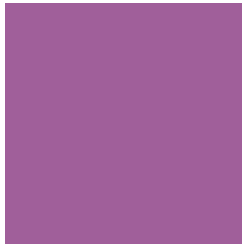
15.2967, 7.4233, 21.6114



0.2804, 0.1355, 0.4229

Previews

White Background



This preview shows how the XYZ color 24.4221, 17.9911, 32.7573 looks on a white 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

Black Background



This preview shows how the XYZ color 24.4221, 17.9911, 32.7573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

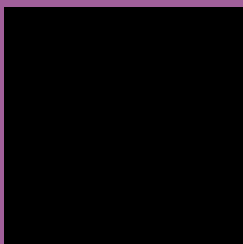
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4221, 17.9911, 32.7573

Background



This preview shows how black text looks on a background with the XYZ color 24.4221, 17.9911, 32.7573.



This preview shows how white text looks on a background with the XYZ color 24.4221, 17.9911,

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

24.4221, 17.9911, 32.7573

Protanopia

18.8679, 18.1598, 40.5409

Deuteranopia

18.5605, 18.2035, 31.3895



Tritanopia

21.3925, 18.0390, 17.6836

Trichromacy



Original Color

24.4221, 17.9911, 32.7573

Protanomaly

20.0894, 17.5430, 37.4493

Deuteranomaly

20.1544, 17.7053, 31.6334

Tritanomaly

22.3891, 18.0078, 22.3745

Monochromacy



Original Color

24.4221, 17.9911, 32.7573

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

20.0195, 18.4327, 24.6930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4221, 17.9911, 32.7573 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(160, 95, 154)` looks like.

```
.text, #text, p{  
    color:rgb(160, 95, 154)  
}
```

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(160, 95, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 95, 154) }
```

Border

The CSS property to change the border of an element to XYZ 24.4221, 17.9911, 32.7573 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(160, 95, 154) }
```


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

```
.border{ border-color:rgb(160, 95, 154) }
```

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

Here you see how a box with a 4 pixel rgb(160, 95, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 95, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 95, 154);  
box-shadow:4px 4px 4px 4px rgb(160, 95,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4221, 17.9911, 32.7573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 95, 154) }
```

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

```
.background{ background-color: rgb(160, 95,  
154) }
```

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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