

Converting Colors

XYZ(24.6367, 18.5383, 40.8366)

Have a look what the booklet for
XYZ(24.6367, 18.5383, 40.8366)
contains.

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Color

**XYZ(24.5750, 18.4433,
40.7927)**

Conversions

Conversions Part 1

Format	Color
Hex	9763AB
RGB	151, 99, 171
RGB Percent	59%, 39%, 67%
CMY	0.4078, 0.6118, 0.3294
CMYK	0.12, 0.42, 0.00, 0.33
HSL	283°, 30%, 53%
HSV	283°, 42%, 67%
XYZ	24.5750, 18.4433, 40.7927
YIQ	122.7560, 7.8800, 33.4160

Conversions

Conversions Part 2

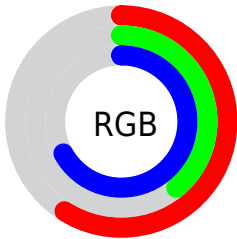
Format	Color
R_{YB}	151, 99, 171
Decimal	9921451
CIE _{Lab}	50.03, 33.92, -30.34
CIE _{LCh}	50, 45.509, 318.196
Yxy	18.4433, 0.2932, 0.2201
Android (android.graphics.Color)	4288111531 (0xFF9763AB)
YUV	122.7560, 23.7843, 24.7700
Hunter-Lab	42.9457, 26.9890, -26.2557

Details

The XYZ color **24.5750, 18.4433, 40.7927** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.4234, 33.9491, 17.0708**, and the grayscale version is **18.6694, 19.6417, 21.3898**.

A 20% lighter version of the original color is **50.3853, 40.8011, 77.8928**, and **9.4476, 6.1859, 17.8356** is the 20% darker color. If you saturate the color by 10%, you get **22.2595, 15.0944, 40.2686**, and if you desaturate by 10%, it is **27.2703, 22.4981, 41.4336**.

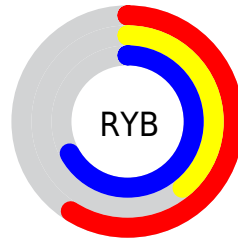
Distribution



Red (59%)

Green (39%)

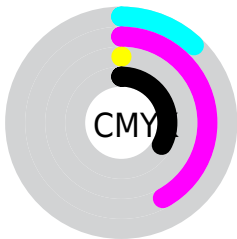
Blue (67%)



Red (59%)

Yellow (39%)

Blue (67%)

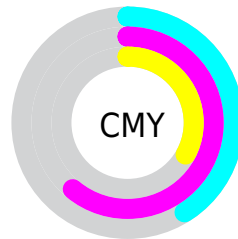


Cyan (12%)

Magenta (42%)

Yellow (0%)

Black (33%)



Cyan (41%)

Magenta (61%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5750, 18.4433, 40.7927 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 24.5750, 18.4433, 40.7927 by changing the saturation by 10% instead.

■ 24.5750, 18.4433,
40.7927

■ 24.5750, 18.4433,
40.7927

268.1016,
243.3580, 365.1044

■ 15.8877, 11.2687,
27.8387

■ 50.4148, 40.7913,
77.6194

■ 9.5351, 6.2479,
17.9661

■ 68.2980, 56.7334,
102.3290

■ 5.1517, 2.9964,
10.7565

■ 89.9773, 76.3669,
131.7944

■ 2.3722, 1.1298,
5.7912

■ 115.8179,
100.0761, 166.4339

■ 0.8312, 0.0033,
2.6518

146.1853,
128.2454, 206.6661

■ 0.0000, 0.0000,
0.9190

181.4449,

■ 0.0000, 0.0000,

161.2593, 252.9096

0.0000

221.9618,
199.5020, 305.5828

■ 24.5750, 18.4433,
40.7927

■ 24.5750, 18.4433,
40.7927

■ 22.2595, 15.0944,
40.2686

■ 27.2703, 22.4981,
41.4336

■ 20.2997, 12.4051,
39.8528

■ 30.3638, 27.2965,
42.1967

■ 18.6714, 10.3274,
39.5376

■ 33.8750, 32.8764,
43.0887

■ 17.3463, 8.8053,
39.3137

■ 37.8214, 39.2721,
44.1152

■ 16.2910, 7.7725,
39.1699

■ 42.2195, 46.5162,
45.2816

■ 15.5909, 7.1882,
39.0941

■ 47.0849, 54.6392,
46.5931

■ 52.4325, 63.6704,
48.0544

■ 58.2764, 73.6374,
49.6703

■ 64.6301, 84.5667,
51.4450

Harmonies

Analogous

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



20.2890, 18.4433, 52.7486



24.5750, 18.4433, 40.7927



27.1166, 18.4433, 25.4221

Triad

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



24.5750, 18.4433, 40.7927



19.3069, 18.4433, 4.5291



10.6933, 18.4433, 28.5797

Complementary

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



24.5750, 18.4433, 40.7927



24.4234, 33.9491, 17.0708

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.



10.5197, 18.4433, 15.5469



24.5750, 18.4433, 40.7927



15.0329, 18.4433, 4.7915

Square

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



24.5750, 18.4433, 40.7927



23.7539, 18.4433, 6.9476



11.9789, 18.4433, 7.9260



12.5007, 18.4433, 43.9146

Rectangle

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



24.5750, 18.4433, 40.7927



27.2398, 18.4433, 16.8404



11.9789, 18.4433, 7.9260



10.4544, 18.4433, 23.7142

Sweetspot

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



24.5756, 18.4441, 40.7931



59.9213, 57.6819, 76.9774



19.1416, 18.8828, 41.1642



13.0497, 12.3629, 17.0862



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.



24.5756, 18.4441, 40.7931



39.9427, 27.1421, 72.1356



27.2070, 19.9624, 33.6064



8.1169, 8.0346, 10.0757



11.8060, 5.4461, 29.4735



0.3778, 0.1770, 0.8222

Inverse Universe

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



24.5868, 18.9143, 19.8086



40.2593, 28.2781, 28.1996



22.7807, 33.0075, 21.2705



8.0933, 8.0506, 8.8020



13.0749, 6.6925, 2.7737



0.3871, 0.1955, 0.2004

Previews

White Background



This preview shows how the XYZ color 24.5750, 18.4433, 40.7927 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 24.5750, 18.4433, 40.7927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

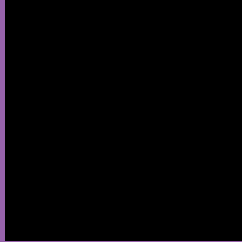
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.5750, 18.4433, 40.7927

Background



This preview shows how black text looks on a background with the XYZ color 24.5750, 18.4433, 40.7927.



This preview shows how white text looks on a background with the XYZ color 24.5750, 18.4433,

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

24.5750, 18.4433, 40.7927

Protanopia

19.8403, 18.6474, 49.0080

Deuteranopia

19.0470, 18.6305, 39.1514



Tritanopia

20.2334, 18.3234, 19.9231

Trichromacy



Original Color

24.5750, 18.4433, 40.7927

Protanomaly

20.9867, 18.1329, 46.1099

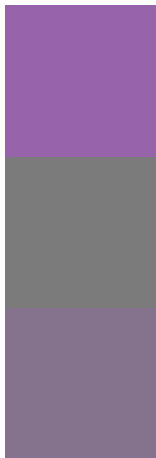
Deuteranomaly

20.4981, 18.1891, 39.4763

Tritanomaly

21.5955, 18.2540, 26.4299

Monochromacy



Original Color

24.5750, 18.4433, 40.7927

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.4238, 18.9146, 27.3854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5750, 18.4433, 40.7927 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(151, 99, 171)` looks like.

```
.text, #text, p{  
    color:rgb(151, 99, 171)  
}
```

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(151, 99, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 99, 171) }
```

Border

The CSS property to change the border of an element to XYZ 24.5750, 18.4433, 40.7927 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(151, 99, 171) }
```


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

```
.border{ border-color:rgb(151, 99, 171) }
```

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

Here you see how a box with a 4 pixel rgb(151, 99, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 99, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 99, 171);  
box-shadow:4px 4px 4px 4px rgb(151, 99,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5750, 18.4433, 40.7927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 99, 171) }
```

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

```
.background{ background-color: rgb(151, 99,  
171) }
```

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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