

Converting Colors

XYZ(24.7982, 18.0168, 40.7548)

Have a look what the booklet for
XYZ(24.7982, 18.0168, 40.7548)
contains.

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Color

**XYZ(24.7693, 17.9947,
40.6959)**

Conversions

Conversions Part 1

Format	Color
Hex	9A5FAB
RGB	154, 95, 171
RGB Percent	60%, 37%, 67%
CMY	0.3961, 0.6274, 0.3294
CMYK	0.10, 0.44, 0.00, 0.33
HSL	287°, 31%, 52%
HSV	287°, 44%, 67%
XYZ	24.7693, 17.9947, 40.6959
YIQ	121.3050, 10.7680, 36.1440

Conversions

Conversions Part 2

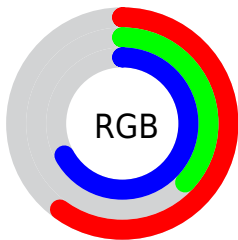
Format	Color
RYB	154, 95, 171
Decimal	10117035
CIELab	49.49, 37.09, -31.15
CIElCh	49, 48.435, 319.971
Yxy	17.9947, 0.2968, 0.2156
Android (android.graphics.Color)	4288307115 (0xFF9A5FAB)
YUV	121.3050, 24.4996, 28.6735
Hunter-Lab	42.4202, 29.9916, -27.1859

Details

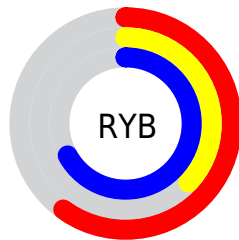
The XYZ color **24.7693, 17.9947, 40.6959** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.3111, 33.3972, 16.0449**, and the grayscale version is **18.1939, 19.1414, 20.8450**.

A 20% lighter version of the original color is **50.8772, 40.1151, 77.7345**, and **9.6138, 6.0287, 17.7965** is the 20% darker color. If you saturate the color by 10%, you get **22.6784, 14.8761, 40.2044**, and if you desaturate by 10%, it is **27.2227, 21.8030, 41.3019**.

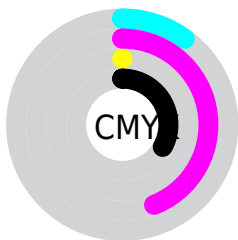
Distribution



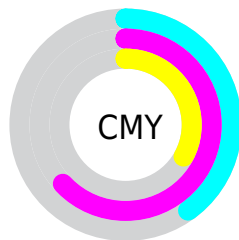
- Red (60%)
- Green (37%)
- Blue (67%)



- Red (60%)
- Yellow (37%)
- Blue (67%)



- Cyan (10%)
- Magenta (44%)
- Yellow (0%)
- Black (33%)





- Cyan (40%)
- Magenta (63%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7693, 17.9947, 40.6959 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 24.7693, 17.9947, 40.6959 by changing the saturation by 10% instead.


 24.7693, 17.9947,
40.6959


 24.7693, 17.9947,
40.6959


269.0560,
240.8412, 364.6870

 16.0331, 10.9462,
27.7636


 50.7283, 40.0283,
77.4707


 9.6386, 6.0307,
17.9101


 68.6818, 55.7822,
102.1503

 5.2204, 2.8637,
10.7167


 90.4384, 75.2066,
131.5828

 2.4132, 1.0610,
5.7649

 116.3635, 98.6860,
166.1866

 0.8517, 0.0000,
2.6362

146.8225,
126.6048, 206.3805

 0.0000, 0.0000,
0.9110

182.1806,

 0.0000, 0.0000,

159.3473, 252.5828

0.0000

222.8033,
197.2980, 305.2121

■ 24.7693, 17.9947,
40.6959

■ 24.7693, 17.9947,
40.6959

■ 22.6784, 14.8761,
40.2044

■ 27.2227, 21.8030,
41.3019

■ 20.9256, 12.4001,
39.8189

■ 30.0574, 26.3394,
42.0281

■ 19.4863, 10.5171,
39.5313

■ 33.2928, 31.6422,
42.8812

■ 18.3313, 9.1694,
39.3320

■ 36.9466, 37.7466,
43.8669

■ 17.4257, 8.2873,
39.2095

■ 41.0353, 44.6851,
44.9906

■ 16.9843, 7.9066,
39.1593

■ 45.5747, 52.4888,
46.2577

■ 50.5794, 61.1871,
47.6728

■ 56.0636, 70.8078,
49.2407

■ 62.0408, 81.3777,
50.9659

Harmonies

Analogous

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



20.2900, 17.9947, 54.1290



24.7693, 17.9947, 40.6959



27.3202, 17.9947, 24.3203

Triad

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



24.7693, 17.9947, 40.6959



18.6829, 17.9947, 3.7755



10.0915, 17.9947, 29.5281

Complementary

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



24.7693, 17.9947, 40.6959



23.3111, 33.3972, 16.0449

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.



9.8163, 17.9947, 15.5220



24.7693, 17.9947, 40.6959



14.2693, 17.9947, 4.1655

Square

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



24.7693, 17.9947, 40.6959



23.4138, 17.9947, 5.9336



11.2090, 17.9947, 7.4389



12.0428, 17.9947, 45.9358

Rectangle

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



24.7693, 17.9947, 40.6959



27.3223, 17.9947, 15.5436



11.2090, 17.9947, 7.4389



9.8152, 17.9947, 24.2912

Sweetspot

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



24.7699, 17.9955, 40.6963



60.3784, 57.9176, 76.9988



17.9461, 17.1248, 40.8879



13.1674, 12.4236, 17.0917



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.



24.7699, 17.9955, 40.6963



40.7901, 26.8963, 72.0435



26.4516, 19.0687, 31.4518



8.1592, 8.0564, 10.0777



12.8502, 5.9844, 29.5223



0.4002, 0.1885, 0.8233

Inverse Universe

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



23.8120, 18.0129, 17.5517



39.1234, 27.0879, 24.4867



22.3927, 32.8031, 21.4524



8.0759, 8.0436, 8.7104



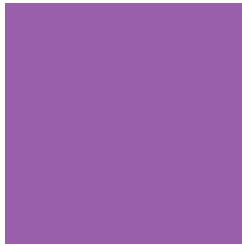
12.9444, 6.6403, 2.0867



0.3803, 0.1928, 0.1646

Previews

White Background



This preview shows how the XYZ color 24.7693, 17.9947, 40.6959 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 24.7693, 17.9947, 40.6959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

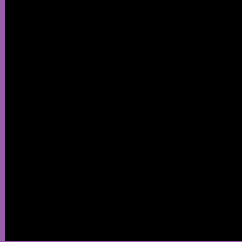
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7693, 17.9947, 40.6959

Background



This preview shows how black text looks on a background with the XYZ color 24.7693, 17.9947, 40.6959.



This preview shows how white text looks on a background with the XYZ color 24.7693, 17.9947,

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

24.7693, 17.9947, 40.6959

Protanopia

19.5389, 18.2953, 50.0785

Deuteranopia

18.5919, 18.2219, 39.0965



Tritanopia

20.2641, 17.8873, 18.9076

Trichromacy



Original Color

24.7693, 17.9947, 40.6959

Protanomaly

20.6161, 17.6132, 46.5691

Deuteranomaly

20.2823, 17.7575, 39.4043

Tritanomaly

21.6886, 17.8676, 25.5982

Monochromacy



Original Color

24.7693, 17.9947, 40.6959

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

20.1272, 18.4390, 26.9244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7693, 17.9947, 40.6959 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(154, 95, 171)` looks like.

```
.text, #text, p{  
    color:rgb(154, 95, 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(154, 95, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 95, 171) }
```

Border

The CSS property to change the border of an element to XYZ 24.7693, 17.9947, 40.6959 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(154, 95, 171) }
```


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

```
.border{ border-color:rgb(154, 95, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 95, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 95, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 95, 171);  
box-shadow:4px 4px 4px 4px rgb(154, 95,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7693, 17.9947, 40.6959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 95, 171) }
```

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

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