

Converting Colors

XYZ(24.4533, 19.7211, 41.7391)

Have a look what the booklet for
XYZ(24.4533, 19.7211, 41.7391)
contains.

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Color

**XYZ(24.4860, 19.7234,
41.5462)**

Conversions

Conversions Part 1

Format	Color
Hex	916CAC
RGB	145, 108, 172
RGB Percent	57%, 42%, 67%
CMY	0.4314, 0.5765, 0.3255
CMYK	0.16, 0.37, 0.00, 0.33
HSL	275°, 28%, 55%
HSV	275°, 37%, 67%
XYZ	24.4860, 19.7234, 41.5462
YIQ	126.3590, 1.5080, 27.7480

Conversions

Conversions Part 2

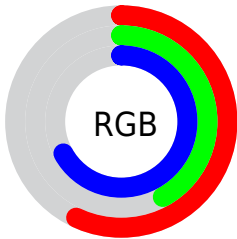
Format	Color
R _Y B	145, 108, 172
Decimal	9530540
CIE Lab	51.52, 27.10, -28.64
CIE LCh	52, 39.432, 313.415
Yxy	19.7234, 0.2855, 0.2300
Android (android.graphics.Color)	4287720620 (0xFF916CAC)
YUV	126.3590, 22.5010, 16.3482
Hunter-Lab	44.4110, 20.6966, -24.3776

Details

The XYZ color **24.4860, 19.7234, 41.5462** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.4516, 35.7391, 19.6397**, and the grayscale version is **19.8793, 20.9146, 22.7760**.

A 20% lighter version of the original color is **50.3938, 43.0224, 79.0469**, and **9.4598, 6.8908, 18.2842** is the 20% darker color. If you saturate the color by 10%, you get **21.6099, 15.8087, 40.9425**, and if you desaturate by 10%, it is **27.8030, 24.3976, 42.2739**.

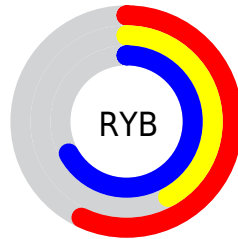
Distribution



Red (57%)

Green (42%)

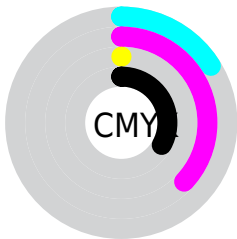
Blue (67%)



Red (57%)

Yellow (42%)

Blue (67%)

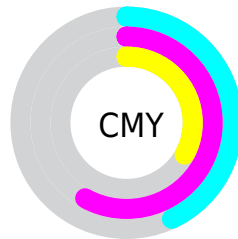


Cyan (16%)

Magenta (37%)

Yellow (0%)

Black (33%)



Cyan (43%)

Magenta (58%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4860, 19.7234, 41.5462 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 24.4860, 19.7234, 41.5462 by changing the saturation by 10% instead.

■ 24.4860, 19.7234,
41.5462

■ 24.4860, 19.7234,
41.5462

267.6635,
250.4138, 368.3423

■ 15.8212, 12.1941,
28.4232

■ 50.2711, 42.9530,
78.7750

■ 9.4878, 6.8760,
18.4031

■ 68.1220, 59.4220,
103.7179

■ 5.1203, 3.3847,
11.0674

■ 89.7658, 79.6399,
133.4379

■ 2.3535, 1.3357,
5.9974

■ 115.5676,
103.9908, 168.3534

■ 0.8218, 0.1686,
2.7747

145.8930,
132.8593, 208.8831

■ 0.0000, 0.0000,
0.9808

181.1072,

■ 0.0000, 0.0000,

166.6297, 255.4454

0.0000

221.5756,
205.6864, 308.4590

■ 24.4860, 19.7234,
41.5462

■ 24.4860, 19.7234,
41.5462

■ 21.6099, 15.8087,
40.9425

■ 27.8030, 24.3976,
42.2739

■ 19.1499, 12.6079,
40.4543

■ 31.5798, 29.8684,
43.1308

■ 17.0820, 10.0743,
40.0743

■ 35.8365, 36.1733,
44.1234

■ 15.3780, 8.1544,
39.7935

■ 40.5913, 43.3469,
45.2575

■ 14.0057, 6.7860,
39.6017

■ 45.8615, 51.4216,
46.5383

■ 12.9175, 5.8764,
39.4835

■ 51.6634, 60.4282,
47.9709

■ 12.6400, 5.6560,
39.4556

■ 58.0128, 70.3960,
49.5603

■ 64.9245, 81.3529,
51.3109

■ 69.8726, 88.2455,
52.3805

Harmonies

Analogous

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



20.5704, 19.7234, 50.4630



24.4860, 19.7234, 41.5462



27.0383, 19.7234, 28.3256

Triad

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



24.4860, 19.7234, 41.5462



21.0065, 19.7234, 6.6160



12.2688, 19.7234, 26.9465

Complementary

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



24.4860, 19.7234, 41.5462



27.4516, 35.7391, 19.6397

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.



12.3512, 19.7234, 15.8296



24.4860, 19.7234, 41.5462



17.0337, 19.7234, 6.4745

Square

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



24.4860, 19.7234, 41.5462



24.8438, 19.7234, 9.6981



13.9822, 19.7234, 9.2044



13.7386, 19.7234, 40.2353

Rectangle

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



24.4860, 19.7234, 41.5462



27.4275, 19.7234, 20.2015



13.9822, 19.7234, 9.2044



12.1228, 19.7234, 22.8018

Sweetspot

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



24.4867, 19.7242, 41.5466



61.8250, 60.8748, 79.2972



22.3981, 23.7008, 42.4243



13.2168, 12.9046, 17.1819



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.



24.4867, 19.7242, 41.5466



39.8880, 29.5945, 74.4158



29.4194, 22.3137, 39.6725



8.0056, 7.9772, 10.0705



9.4699, 4.2418, 29.3641



0.3241, 0.1493, 0.8197

Inverse Universe

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



26.7496, 21.2458, 25.6134



44.8846, 32.9356, 40.0780



23.8770, 33.8695, 20.6870



8.1402, 8.0693, 9.0490



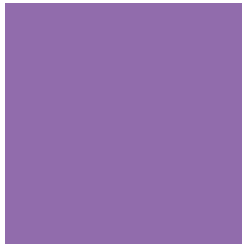
13.5711, 6.8910, 5.3868



0.4052, 0.2028, 0.2958

Previews

White Background



This preview shows how the XYZ color 24.4860, 19.7234, 41.5462 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 24.4860, 19.7234, 41.5462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

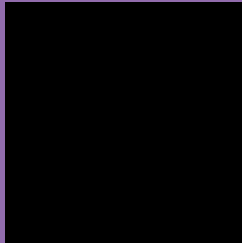
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4860, 19.7234, 41.5462

Background



This preview shows how black text looks on a background with the XYZ color 24.4860, 19.7234, 41.5462.



This preview shows how white text looks on a background with the XYZ color 24.4860, 19.7234,

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

24.4860, 19.7234, 41.5462

Protanopia

20.7604, 19.8769, 46.9984

Deuteranopia

20.1831, 19.7275, 40.2801



Tritanopia

20.6733, 19.6582, 22.7835

Trichromacy



Original Color

24.4860, 19.7234, 41.5462

Protanomaly

21.7525, 19.5567, 44.7478

Deuteranomaly

21.3862, 19.4580, 40.6588

Tritanomaly

21.9597, 19.6805, 28.6279

Monochromacy



Original Color

24.4860, 19.7234, 41.5462

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.2276, 20.1634, 28.7597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4860, 19.7234, 41.5462 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(145, 108, 172)` looks like.

```
.text, #text, p{  
    color:rgb(145, 108, 172)  
}
```

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(145, 108, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 108, 172) }
```

Border

The CSS property to change the border of an element to XYZ 24.4860, 19.7234, 41.5462 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(145, 108, 172) }
```


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

```
.border{ border-color:rgb(145, 108, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 108, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 108, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 108, 172); box-shadow:4px 4px 4px 4px rgb(145, 108, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4860, 19.7234, 41.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 108, 172) }
```

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

```
.background{ background-color: rgb(145,  
108, 172) }
```

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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