

Converting Colors

XYZ(18.4067, 12.4651, 39.5777)

Have a look what the booklet for
XYZ(18.4067, 12.4651, 39.5777)
contains.

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Color

**XYZ(18.4443, 12.5068,
39.4721)**

Conversions

Conversions Part 1

Format	Color
Hex	7E4CAA
RGB	126, 76, 170
RGB Percent	49%, 30%, 67%
CMY	0.5059, 0.7020, 0.3333
CMYK	0.26, 0.55, 0.00, 0.33
HSL	272°, 38%, 48%
HSV	272°, 55%, 67%
XYZ	18.4443, 12.5068, 39.4721
YIQ	101.6660, -0.3740, 39.8340

Conversions

Conversions Part 2

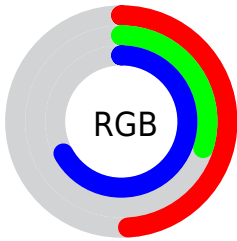
Format	Color
R _{YB}	126, 76, 170
Decimal	8277162
CIE _{Lab}	42.01, 39.43, -42.59
CIE _{LCh}	42, 58.039, 312.794
Yxy	12.5068, 0.2619, 0.1776
Android (android.graphics.Color)	4286467242 (0xFF7E4CAA)
YUV	101.6660, 33.6887, 21.3409
Hunter-Lab	35.3650, 31.2065, -41.4202

Details

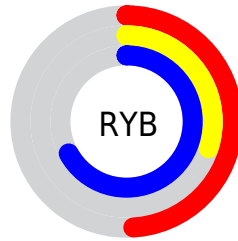
The XYZ color **18.4443, 12.5068, 39.4721** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **23.4253, 33.2646, 12.0240**, and the grayscale version is **12.4579, 13.1067, 14.2732**.

A 20% lighter version of the original color is **40.3729, 30.4935, 75.7095**, and **6.3505, 3.4847, 17.1675** is the 20% darker color. If you saturate the color by 10%, you get **16.2971, 9.8851, 39.0795**, and if you desaturate by 10%, it is **20.9953, 15.7964, 39.9728**.

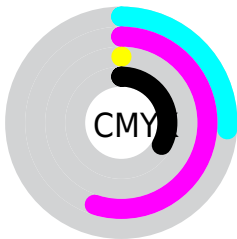
Distribution



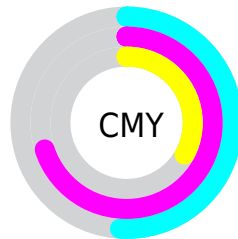
- Red (49%)
- Green (30%)
- Blue (67%)



- Red (49%)
- Yellow (30%)
- Blue (67%)



- Cyan (26%)
- Magenta (55%)
- Yellow (0%)
- Black (33%)



- Cyan (51%)
- Magenta (70%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4443, 12.5068, 39.4721 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 18.4443, 12.5068, 39.4721 by changing the saturation by 10% instead.

■ 18.4443, 12.5068,
39.4721

■ 18.4443, 12.5068,
39.4721

236.3610,
207.7322, 359.3792

■ 11.3711, 7.0898,
26.8165

■ 40.3171, 30.4148,
75.5872

■ 6.3861, 3.5183,
17.2043

■ 55.8474, 43.6747,
99.8839

■ 3.1241, 1.4080,
10.2167

■ 74.9275, 60.3176,
128.8980

■ 1.2197, 0.2226,
5.4354

■ 97.9226, 80.7280,
163.0481

■ 0.1219, 0.0000,
2.4418

■ 125.1981,
105.2902, 202.7527

■ 0.0000, 0.0000,
0.8091

157.1195,

■ 0.0000, 0.0000,

134.3888, 248.4304

0.0000

194.0520,
168.4079, 300.4998

■ 18.4443, 12.5068,
39.4721

■ 18.4443, 12.5068,
39.4721

■ 16.2971, 9.8851,
39.0795

■ 20.9953, 15.7964,
39.9728

■ 14.5250, 7.8790,
38.7856

■ 23.9730, 19.7981,
40.5883

■ 13.0976, 6.4300,
38.5812

■ 27.3999, 24.5538,
41.3256

■ 11.9764, 5.4648,
38.4540

■ 31.2968, 30.1016,
42.1911

■ 11.5138, 5.0974,
38.4074

■ 35.6827, 36.4771,
43.1905

■ 40.5757, 43.7137,
44.3294

■ 45.9929, 51.8428,
45.6130

■ 51.9505, 60.8942,
47.0461

■ 58.4640, 70.8964,
48.6334

Harmonies

Analogous

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



13.8163, 12.5068, 52.2850



18.4443, 12.5068, 39.4721



21.6773, 12.5068, 21.9027

Triad

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



18.4443, 12.5068, 39.4721



14.5078, 12.5068, 1.2056



5.5045, 12.5068, 19.5712

Complementary

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



18.4443, 12.5068, 39.4721



23.4253, 33.2646, 12.0240

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.



5.6038, 12.5068, 7.7402



18.4443, 12.5068, 39.4721



10.1468, 12.5068, 1.1142

Square

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



18.4443, 12.5068, 39.4721



19.0547, 12.5068, 3.0272



7.1039, 12.5068, 2.5780



6.7891, 12.5068, 36.9068

Rectangle

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



18.4443, 12.5068, 39.4721



22.2200, 12.5068, 12.4944



7.1039, 12.5068, 2.5780



5.3882, 12.5068, 14.8065

Sweetspot

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



18.4448, 12.5073, 39.4724



55.2891, 52.4684, 76.2152



17.1268, 18.2196, 40.6444



12.0169, 11.2533, 16.9264



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.



18.4448, 12.5073, 39.4724



28.9061, 17.1593, 70.7904



26.2706, 16.5587, 39.0695



7.4985, 7.4896, 9.4688



8.5345, 3.7831, 28.2559



0.2659, 0.1221, 0.6902

Inverse Universe

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



22.5525, 15.0714, 19.4900



37.6550, 22.6090, 28.7512



18.7152, 30.8301, 12.0914



7.6718, 7.5986, 8.5887



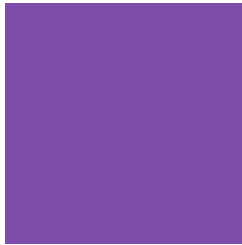
13.2760, 6.7191, 6.2648



0.3490, 0.1739, 0.2894

Previews

White Background



This preview shows how the XYZ color 18.4443, 12.5068, 39.4721 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 18.4443, 12.5068, 39.4721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

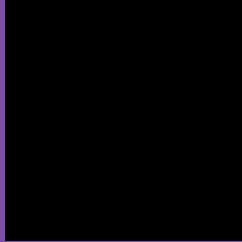
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4443, 12.5068, 39.4721

Background



This preview shows how black text looks on a background with the XYZ color 18.4443, 12.5068, 39.4721.



This preview shows how white text looks on a background with the XYZ color 18.4443, 12.5068,

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

18.4443, 12.5068, 39.4721

Protanopia

14.6038, 12.6643, 50.3899

Deuteranopia

12.9796, 12.6717, 37.3591



Tritanopia

13.2911, 12.5224, 14.0285

Trichromacy



Original Color

18.4443, 12.5068, 39.4721

Protanomaly

15.0213, 12.0595, 46.3358

Deuteranomaly

14.1095, 12.0215, 38.1360

Tritanomaly

14.6453, 12.1743, 21.3166

Monochromacy



Original Color

18.4443, 12.5068, 39.4721

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.3007, 12.7405, 21.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4443, 12.5068, 39.4721 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(126, 76, 170)` looks like.

```
.text, #text, p{  
    color:rgb(126, 76, 170)  
}
```

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(126, 76, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 76, 170) }
```

Border

The CSS property to change the border of an element to XYZ 18.4443, 12.5068, 39.4721 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(126, 76, 170) }
```


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

```
.border{ border-color:rgb(126, 76, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 76, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 76, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 76, 170);  
box-shadow:4px 4px 4px 4px rgb(126, 76,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4443, 12.5068, 39.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 76, 170) }
```

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

```
.background{ background-color: rgb(126, 76,  
170) }
```

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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