

Converting Colors

XYZ(19.4869, 12.4696, 54.6062)

Have a look what the booklet for
XYZ(19.4869, 12.4696, 54.6062)
contains.

XYZ(19.5813, 12.5522, 54.8168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5813, 12.5522,
54.8168)**

Conversions

Conversions Part 1

Format	Color
Hex	724AC6
RGB	114, 74, 198
RGB Percent	45%, 29%, 78%
CMY	0.5529, 0.7098, 0.2235
CMYK	0.42, 0.63, 0.00, 0.22
HSL	259°, 52%, 53%
HSV	259°, 63%, 78%
XYZ	19.5813, 12.5522, 54.8168
YIQ	100.0960, -15.9640, 47.0440

Conversions

Conversions Part 2

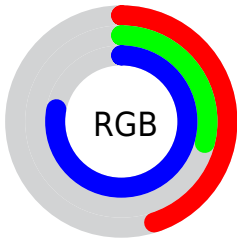
Format	Color
R_{YB}	114, 74, 198
Decimal	7490246
CIE _{Lab}	42.08, 44.96, -58.97
CIE _{LCh}	42, 74.149, 307.324
Yxy	12.5522, 0.2252, 0.1444
Android (android.graphics.Color)	4285680326 (0xFF724AC6)
YUV	100.0960, 48.2667, 12.1938
Hunter-Lab	35.4291, 36.6543, -66.9347

Details

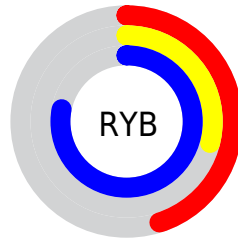
The XYZ color **19.5813, 12.5522, 54.8168** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **35.5302, 48.1516, 13.9003**, and the grayscale version is **12.0218, 12.6479, 13.7736**.

A 20% lighter version of the original color is **42.1782, 30.5452, 98.2805**, and **6.9364, 3.5192, 26.3003** is the 20% darker color. If you saturate the color by 10%, you get **16.8429, 9.4775, 54.3679**, and if you desaturate by 10%, it is **22.9927, 16.5914, 55.4169**.

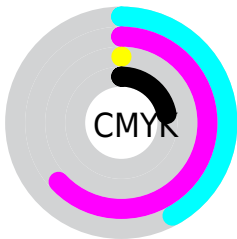
Distribution



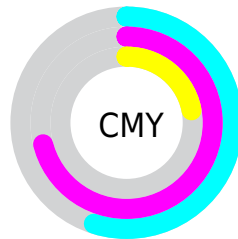
- Red (45%)
- Green (29%)
- Blue (78%)



- Red (45%)
- Yellow (29%)
- Blue (78%)



- Cyan (42%)
- Magenta (63%)
- Yellow (0%)
- Black (22%)



- Cyan (55%)
- Magenta (71%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5813, 12.5522, 54.8168 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 19.5813, 12.5522, 54.8168 by changing the saturation by 10% instead.

■ 19.5813, 12.5522,
54.8168

■ 19.5813, 12.5522,
54.8168

242.5163,
208.0275, 422.4795

■ 12.1975, 7.1209,
38.8575

■ 42.2234, 30.4969,
98.7409

■ 6.9515, 3.5378,
26.3419

■ 58.2125, 43.7791,
127.5428

■ 3.4779, 1.4186,
16.8515

■ 77.8007, 60.4471,
161.4626

■ 1.4112, 0.2303,
9.9678

■ 101.3534, 80.8853,
200.9189

■ 0.2642, 0.0000,
5.2723

■ 129.2359,
105.4780, 246.3302

■ 0.0000, 0.0000,
2.3464

161.8137,

■ 0.0000, 0.0000,

134.6097, 298.1150

0.7570

199.4521,
168.6647, 356.6919

■ 0.0000, 0.0000,
0.0000

■ 19.5813, 12.5522,
54.8168

■ 19.5813, 12.5522,
54.8168

■ 16.8429, 9.4775,
54.3679

■ 22.9927, 16.5914,
55.4169

■ 14.7239, 7.2792,
54.0553

■ 27.1209, 21.6698,
56.1796

■ 13.1645, 5.8543,
53.8625

■ 32.0080, 27.8561,
57.1161

■ 12.2994, 5.1631,
53.7746

■ 37.6921, 35.2125,
58.2364

■ 44.2084, 43.7966,
59.5498

■ 51.5903, 53.6621,
61.0650

■ 59.8689, 64.8594,
62.7900

■ 69.0740, 77.4364,
64.7324

■ 79.2339, 91.4383,
66.8996

Harmonies

Analogous

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



13.3335, 12.5522, 71.3087



19.5813, 12.5522, 54.8168



24.6285, 12.5522, 29.0311

Triad

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



19.5813, 12.5522, 54.8168



16.5018, 12.5522, 0.2891



4.2024, 12.5522, 17.9141

Complementary

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



19.5813, 12.5522, 54.8168



35.5302, 48.1516, 13.9003

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.



4.5787, 12.5522, 4.9859



19.5813, 12.5522, 54.8168



10.6295, 12.5522, 0.0000

Square

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



19.5813, 12.5522, 54.8168



22.5020, 12.5522, 2.2869



6.5882, 12.5522, 0.9500



5.3301, 12.5522, 41.5760

Rectangle

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



19.5813, 12.5522, 54.8168



25.9617, 12.5522, 15.1345



6.5882, 12.5522, 0.9500



4.1652, 12.5522, 12.2980

Sweetspot

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



19.5819, 12.5526, 54.8171



70.4334, 67.1860, 103.8637



25.3696, 30.2380, 57.9257



14.3876, 13.4789, 22.0933



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.5819, 12.5526, 54.8171



28.3925, 15.2525, 96.0553



30.3811, 18.1198, 55.3225



10.3735, 10.4508, 13.3880



8.0786, 3.3989, 34.9746



0.4588, 0.2003, 1.6596

Inverse Universe

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



31.9089, 19.3720, 34.4038



52.7186, 28.7624, 53.4015



26.3317, 43.4096, 13.4698



10.9319, 10.7562, 12.6247



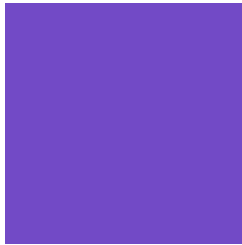
17.9898, 8.9455, 15.6879



0.8839, 0.4364, 0.9118

Previews

White Background



This preview shows how the XYZ color 19.5813, 12.5522, 54.8168 looks on a white background.

Color Contrast Check

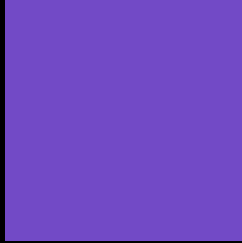
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5813, 12.5522, 54.8168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

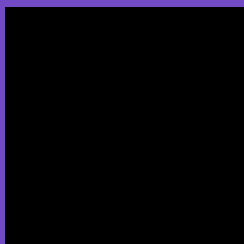
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5813, 12.5522, 54.8168

Background



This preview shows how black text looks on a background with the XYZ color 19.5813, 12.5522, 54.8168.



This preview shows how white text looks on a background with the XYZ color 19.5813, 12.5522,

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

19.5813, 12.5522, 54.8168

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.6872, 12.6771, 43.3732



Tritanopia

11.6776, 12.4724, 15.9793

Trichromacy



Original Color

19.5813, 12.5522, 54.8168

Protanomaly

14.9468, 11.6679, 56.7227

Deuteranomaly

13.4986, 11.6285, 47.4320

Tritanomaly

13.8043, 12.1146, 26.8101

Monochromacy



Original Color

19.5813, 12.5522, 54.8168

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.0107, 12.2630, 24.9211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5813, 12.5522, 54.8168 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(114, 74, 198)` looks like.

```
.text, #text, p{  
    color:rgb(114, 74, 198)  
}
```

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(114, 74, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 74, 198) }
```

Border

The CSS property to change the border of an element to XYZ 19.5813, 12.5522, 54.8168 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(114, 74, 198) }
```


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

```
.border{ border-color:rgb(114, 74, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 74, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 74, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 74, 198);  
box-shadow:4px 4px 4px 4px rgb(114, 74,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5813, 12.5522, 54.8168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 74, 198) }
```

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

```
.background{ background-color: rgb(114, 74,  
198) }
```

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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