

Converting Colors

XYZ(29.3757, 22.7475, 39.3305)

Have a look what the booklet for
XYZ(29.3757, 22.7475, 39.3305)
contains.

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Color

**XYZ(29.4541, 22.8168,
39.4109)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6FA7
RGB	171, 111, 167
RGB Percent	67%, 44%, 65%
CMY	0.3294, 0.5647, 0.3451
CMYK	0.00, 0.35, 0.02, 0.33
HSL	304°, 26%, 55%
HSV	304°, 35%, 67%
XYZ	29.4541, 22.8168, 39.4109
YIQ	135.3240, 17.7840, 30.1360

Conversions

Conversions Part 2

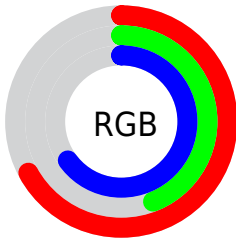
Format	Color
R_{YB}	171, 111, 167
Decimal	11235239
CIE _{Lab}	54.88, 32.82, -20.32
CIE _{LCh}	55, 38.605, 328.239
Yxy	22.8168, 0.3213, 0.2489
Android (android.graphics.Color)	4289425319 (0xFFAB6FA7)
YUV	135.3240, 15.6163, 31.2879
Hunter-Lab	47.7669, 26.4747, -15.4813

Details

The XYZ color **29.4541, 22.8168, 39.4109** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.2139, 33.7440, 21.4580**, and the grayscale version is **23.0892, 24.2916, 26.4536**.

A 20% lighter version of the original color is **58.1388, 48.1557, 75.3380**, and **12.2345, 8.4268, 17.2014** is the 20% darker color. If you saturate the color by 10%, you get **27.6591, 19.3944, 38.2950**, and if you desaturate by 10%, it is **31.6086, 26.9559, 40.6517**.

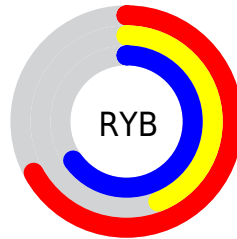
Distribution



Red (67%)

Green (44%)

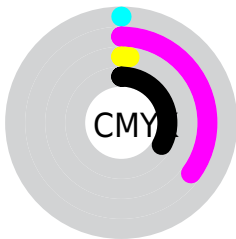
Blue (65%)



Red (67%)

Yellow (44%)

Blue (65%)

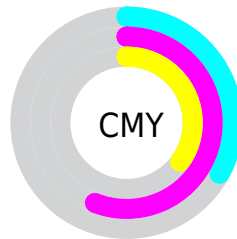


Cyan (0%)

Magenta (35%)

Yellow (2%)

Black (33%)



Cyan (33%)


Magenta (56%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4541, 22.8168, 39.4109 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 29.4541, 22.8168, 39.4109 by changing the saturation by 10% instead.


 29.4541, 22.8168,
39.4109


 29.4541, 22.8168,
39.4109


291.3072,
266.7826, 359.1123


 19.5706, 14.4583,
26.7692


 58.1904, 48.0923,
75.4929


 12.1898, 8.4401,
17.1691


 77.7739, 65.7782,
99.7702

 6.9462, 4.3778,
10.1919


 101.3214, 87.3419,
128.7633

 3.4745, 1.8871,
5.4191

 129.1983,
113.1679, 162.8905

 1.4094, 0.5406,
2.4322

161.7700,
143.6406, 202.5705

 0.2629, 0.0000,
0.8039

199.4019,

 0.0000, 0.0000,

179.1443, 248.2218

0.0000

242.4591,
220.0635, 300.2629

■ 29.4541, 22.8168,
39.4109

■ 29.4541, 22.8168,
39.4109

■ 27.6591, 19.3944,
38.2950

■ 31.6086, 26.9559,
40.6517

■ 26.2011, 16.6448,
37.2958

■ 34.1393, 31.8464,
42.0223

■ 25.0582, 14.5240,
36.4061

■ 37.0645, 37.5243,
43.5289

■ 24.2051, 12.9814,
35.6176

■ 40.4005, 44.0223,
45.1772

■ 23.6128, 11.9588,
34.9206

■ 44.1628, 51.3715,
46.9721

■ 23.2452, 11.3841,
34.3030

■ 48.3660, 59.6011,
48.9187

■ 23.1050, 11.1821,
34.0147

■ 53.0243, 68.7391,
51.0216

■ 58.1509, 78.8123,
53.2853

■ 60.5169, 83.3629,
54.6335

Harmonies

Analogous

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



25.8135, 22.8168, 51.8922



29.4541, 22.8168, 39.4109



30.9848, 22.8168, 25.5740

Triad

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



29.4541, 22.8168, 39.4109



21.9403, 22.8168, 7.9595



15.2207, 22.8168, 37.7311

Complementary

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



29.4541, 22.8168, 39.4109



24.2139, 33.7440, 21.4580

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.



14.4640, 22.8168, 24.1272



29.4541, 22.8168, 39.4109



18.0250, 22.8168, 9.3391

Square

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



29.4541, 22.8168, 39.4109



26.3080, 22.8168, 9.7210



15.4211, 22.8168, 14.3974



17.6410, 22.8168, 50.7191

Rectangle

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



29.4541, 22.8168, 39.4109



30.4687, 22.8168, 18.1794



15.4211, 22.8168, 14.3974



14.7786, 22.8168, 32.9649

Sweetspot

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



29.4548, 22.8178, 39.4114



63.0939, 60.8206, 76.2791



20.1064, 17.9551, 40.9347



13.9210, 13.2739, 16.9331



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.



29.4548, 22.8178, 39.4114



50.2333, 36.0595, 69.0326



26.9953, 21.8340, 26.4595



8.3137, 8.1387, 9.9626



17.4252, 8.4326, 25.6821



0.4915, 0.2373, 0.7499

Inverse Universe

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



29.4548, 22.8178, 39.4114



50.2333, 36.0595, 69.0326



26.2302, 34.5505, 32.0754



8.3137, 8.1387, 9.9626



17.4252, 8.4326, 25.6821



0.4915, 0.2373, 0.7499

Previews

White Background



This preview shows how the XYZ color 29.4541, 22.8168, 39.4109 looks on a white background.

Color Contrast Check

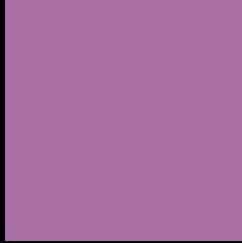
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4541, 22.8168, 39.4109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

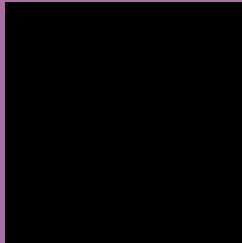
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4541, 22.8168, 39.4109

Background



This preview shows how black text looks on a background with the XYZ color 29.4541, 22.8168, 39.4109.



This preview shows how white text looks on a background with the XYZ color 29.4541, 22.8168,

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

29.4541, 22.8168, 39.4109

Protanopia

23.6592, 23.0834, 46.9246

Deuteranopia

23.4532, 22.9700, 38.3195



Tritanopia

26.2190, 22.8592, 23.4524

Trichromacy



Original Color

29.4541, 22.8168, 39.4109

Protanomaly

25.2360, 22.6189, 44.1101

Deuteranomaly

25.2527, 22.5650, 38.6218

Tritanomaly

27.2763, 22.7686, 28.5483

Monochromacy



Original Color

29.4541, 22.8168, 39.4109

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.9401, 23.3242, 30.7913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4541, 22.8168, 39.4109 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(171, 111, 167)` looks like.

```
.text, #text, p{  
    color:rgb(171, 111, 167)  
}
```

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(171, 111, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 111, 167) }
```

Border

The CSS property to change the border of an element to XYZ 29.4541, 22.8168, 39.4109 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(171, 111, 167) }
```


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

```
.border{ border-color:rgb(171, 111, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 111, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 111, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 111, 167);  
box-shadow:4px 4px 4px 4px rgb(171, 111,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4541, 22.8168, 39.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 111, 167) }
```

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

```
.background{ background-color: rgb(171,  
111, 167) }
```

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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