

Converting Colors

XYZ(29.7000, 22.9299, 40.8317)

Have a look what the booklet for
XYZ(29.7000, 22.9299, 40.8317)
contains.

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Color

**XYZ(29.7347, 22.9291,
40.8888)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6FAA
RGB	171, 111, 170
RGB Percent	67%, 44%, 67%
CMY	0.3294, 0.5647, 0.3333
CMYK	0.00, 0.35, 0.01, 0.33
HSL	301°, 26%, 55%
HSV	301°, 35%, 67%
XYZ	29.7347, 22.9291, 40.8888
YIQ	135.6660, 16.8210, 31.0690

Conversions

Conversions Part 2

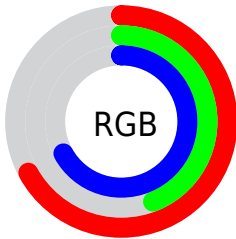
Format	Color
R_{YB}	171, 111, 170
Decimal	11235242
CIE _{Lab}	55.00, 33.39, -21.88
CIE _{LCh}	55, 39.924, 326.767
Yxy	22.9291, 0.3178, 0.2451
Android (android.graphics.Color)	4289425322 (0xFFAB6FAA)
YUV	135.6660, 16.9267, 30.9879
Hunter-Lab	47.8843, 27.0454, -17.1091

Details

The XYZ color **29.7347, 22.9291, 40.8888** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.0440, 33.6759, 20.5633**, and the grayscale version is **23.2120, 24.4208, 26.5943**.

A 20% lighter version of the original color is **58.5446, 48.3181, 77.4748**, and **12.4100, 8.4970, 18.1256** is the 20% darker color. If you saturate the color by 10%, you get **28.0178, 19.5379, 40.1838**, and if you desaturate by 10%, it is **31.8103, 27.0367, 41.7141**.

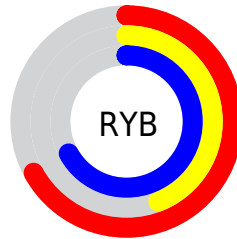
Distribution



Red (67%)

Green (44%)

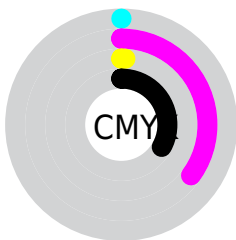
Blue (67%)



Red (67%)

Yellow (44%)

Blue (67%)

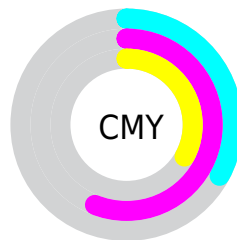


Cyan (0%)

Magenta (35%)

Yellow (1%)

Black (33%)



Cyan (33%)

Magenta (56%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7347, 22.9291, 40.8888 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 29.7347, 22.9291, 40.8888 by changing the saturation by 10% instead.

■ 29.7347, 22.9291,
40.8888

■ 29.7347, 22.9291,
40.8888

292.5979,
267.3606, 365.5185

■ 19.7844, 14.5412,
27.9132

■ 58.6319, 48.2769,
77.7669

■ 12.3458, 8.4980,
18.0217

■ 78.3094, 66.0055,
102.5064

■ 7.0535, 4.4152,
10.7960

■ 101.9601, 87.6165,
132.0043

■ 3.5422, 1.9084,
5.8174

■ 129.9493,
113.4943, 166.6792

■ 1.4466, 0.5534,
2.6674

162.6423,
144.0231, 206.9495

■ 0.2890, 0.0000,
0.9269

200.4045,

■ 0.0000, 0.0000,

179.5876, 253.2338

0.0000

243.6013,
220.5719, 305.9506

■ 29.7347, 22.9291,
40.8888

■ 29.7347, 22.9291,
40.8888

■ 28.0178, 19.5379,
40.1838

■ 31.8103, 27.0367,
41.7141

■ 26.6369, 16.8192,
39.5909

■ 34.2613, 31.8953,
42.6646

■ 25.5703, 14.7288,
39.1030

■ 37.1058, 37.5408,
43.7465

■ 24.7927, 13.2164,
38.7118

■ 40.3602, 44.0063,
44.9654

■ 24.2749, 12.2237,
38.4074

■ 44.0401, 51.3225,
46.3264

■ 23.9810, 11.6784,
38.1780

■ 48.1601, 59.5188,
47.8344

■ 23.8767, 11.4908,
38.0787

■ 52.7342, 68.6231,
49.4940

■ 57.7757, 78.6623,
51.3098

■ 60.0557, 83.1784,
52.2053

Harmonies

Analogous

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



25.8649, 22.9291, 53.7435



29.7347, 22.9291, 40.8888



31.4666, 22.9291, 26.3690

Triad

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



29.7347, 22.9291, 40.8888



22.2780, 22.9291, 7.6568



15.0306, 22.9291, 37.6623

Complementary

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



29.7347, 22.9291, 40.8888



24.0440, 33.6759, 20.5633

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.



14.3386, 22.9291, 23.6135



29.7347, 22.9291, 40.8888



18.1733, 22.9291, 8.8904

Square

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



29.7347, 22.9291, 40.8888



26.8101, 22.9291, 9.6006



15.4092, 22.9291, 13.8288



17.4452, 22.9291, 51.4794

Rectangle

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



29.7347, 22.9291, 40.8888



31.0228, 22.9291, 18.5612



15.4092, 22.9291, 13.8288



14.6043, 22.9291, 32.6966

Sweetspot

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



29.7354, 22.9301, 40.8893



63.2564, 60.8856, 77.1347



19.7183, 17.7551, 40.9163



13.9614, 13.2901, 17.1460



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.



29.7354, 22.9301, 40.8893



50.8431, 36.3035, 72.2439



27.2135, 21.9213, 27.6089



8.3312, 8.1457, 10.0551



18.0013, 8.6631, 28.7162



0.5026, 0.2417, 0.8082

Inverse Universe

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



29.7354, 22.9301, 40.8893



50.8431, 36.3035, 72.2439



26.0018, 34.4590, 30.8730



8.3312, 8.1457, 10.0551



18.0013, 8.6631, 28.7162



0.5026, 0.2417, 0.8082

Previews

White Background



This preview shows how the XYZ color 29.7347, 22.9291, 40.8888 looks on a white background.

Color Contrast Check

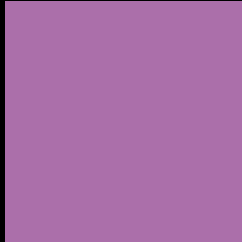
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7347, 22.9291, 40.8888 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 29.7347, 22.9291, 40.8888

Background



This preview shows how black text looks on a background with the XYZ color 29.7347, 22.9291, 40.8888.



This preview shows how white text looks on a background with the XYZ color 29.7347, 22.9291,

40.8888.

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

29.7347, 22.9291, 40.8888

Protanopia

23.7046, 23.0708, 48.5511

Deuteranopia

23.5777, 23.0026, 39.7565



Tritanopia

26.2852, 22.8856, 23.8009

Trichromacy



Original Color

29.7347, 22.9291, 40.8888

Protanomaly

25.2113, 22.5715, 45.6758

Deuteranomaly

25.3551, 22.5859, 40.0689

Tritanomaly

27.4279, 22.8292, 29.3464

Monochromacy



Original Color

29.7347, 22.9291, 40.8888

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.3291, 23.7064, 31.2578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7347, 22.9291, 40.8888 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(171, 111, 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(171, 111, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 111, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.7347, 22.9291, 40.8888 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, 170) }
```


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

```
.border{ border-color:rgb(171, 111, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 111, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 111, 170);  
box-shadow:4px 4px 4px 4px rgb(171, 111,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7347, 22.9291, 40.8888 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, 170) }
```

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

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