

Converting Colors

XYZ(16.0937, 9.0145, 29.9378)

Have a look what the booklet for
XYZ(16.0937, 9.0145, 29.9378)
contains.

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Color

**XYZ(16.0786, 8.9899,
29.7420)**

Conversions

Conversions Part 1

Format	Color
Hex	852C96
RGB	133, 44, 150
RGB Percent	52%, 17%, 59%
CMY	0.4784, 0.8274, 0.4118
CMYK	0.11, 0.71, 0.00, 0.41
HSL	290°, 55%, 38%
HSV	290°, 71%, 59%
XYZ	16.0786, 8.9899, 29.7420
YIQ	82.6950, 19.0180, 51.8340

Conversions

Conversions Part 2

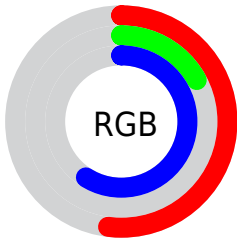
Format	Color
R _{YB}	133, 44, 150
Decimal	8727702
CIE _{Lab}	35.96, 52.54, -40.17
CIE _{LCh}	36, 66.140, 322.599
Yxy	8.9899, 0.2933, 0.1640
Android (android.graphics.Color)	4286917782 (0xFF852C96)
YUV	82.6950, 33.1814, 44.1175
Hunter-Lab	29.9832, 43.2509, -37.8249

Details

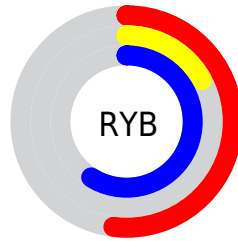
The XYZ color **16.0786, 8.9899, 29.7420** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.2857, 22.9869, 6.1198**, and the grayscale version is **8.0928, 8.5142, 9.2720**.

A 20% lighter version of the original color is **36.3734, 23.9620, 60.4656**, and **5.4291, 2.5441, 11.7602** is the 20% darker color. If you saturate the color by 10%, you get **15.2421, 7.8740, 29.5708**, and if you desaturate by 10%, it is **17.1265, 10.5150, 29.9813**.

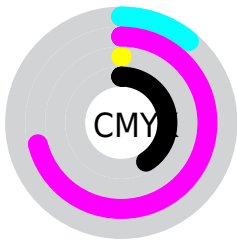
Distribution



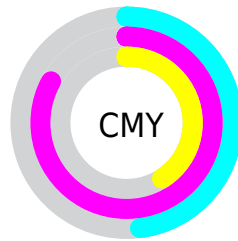
- Red (52%)
- Green (17%)
- Blue (59%)



- Red (52%)
- Yellow (17%)
- Blue (59%)



- Cyan (11%)
- Magenta (71%)
- Yellow (0%)
- Black (41%)



- Cyan (48%)
- Magenta (83%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0786, 8.9899, 29.7420 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 16.0786, 8.9899, 29.7420 by changing the saturation by 10% instead.

16.0786, 8.9899,
29.7420

16.0786, 8.9899,
29.7420

223.0664,
183.3025, 314.8698

9.6710, 4.7346,
19.3925

36.2909, 23.8774,
60.3101

5.2419, 2.0924,
11.7745

50.8264, 35.2784,
81.3657

2.4261, 0.6603,
6.4697

68.8018, 49.8301,
106.8272

0.8582, 0.0000,
3.0593

90.5826, 67.9168,
137.1129

0.0000, 0.0000,
1.1250

116.5341, 89.9231,
172.6415

0.0000, 0.0000,
0.0000

147.0217,

116.2331, 213.8315

182.4106,
147.2315, 261.1014

■ 16.0786, 8.9899,
29.7420

■ 16.0786, 8.9899,
29.7420

■ 15.2421, 7.8740,
29.5708

■ 17.1265, 10.5150,
29.9813

■ 14.5929, 7.1202,
29.4595

■ 18.4043, 12.4873,
30.2946

■ 14.1011, 6.6335,
29.3915

■ 19.9297, 14.9417,
30.6880

■ 21.7184, 17.9094,
31.1665

■ 23.7845, 21.4188,
31.7350

■ 26.1414, 25.4964,
32.3979

■ 28.8014, 30.1669,
33.1591

■ 31.7761, 35.4533,
34.0227

■ 35.0766, 41.3777,
34.9923

Harmonies

Analogous

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



11.7959, 8.9899, 46.5409



16.0786, 8.9899, 29.7420



18.4635, 8.9899, 12.8549

Triad

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



16.0786, 8.9899, 29.7420



9.5572, 8.9899, 0.0000



3.2884, 8.9899, 20.7055

Complementary

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



16.0786, 8.9899, 29.7420



13.2857, 22.9869, 6.1198

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.



3.0218, 8.9899, 7.2531



16.0786, 8.9899, 29.7420



5.9535, 8.9899, 0.0662

Square

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



16.0786, 8.9899, 29.7420



14.0161, 8.9899, 0.6618



3.8317, 8.9899, 1.6429



4.7224, 8.9899, 39.0831

Rectangle

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



16.0786, 8.9899, 29.7420



18.2650, 8.9899, 5.7805



3.8317, 8.9899, 1.6429



3.0818, 8.9899, 15.3193

Sweetspot

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



16.0790, 8.9903, 29.7422



41.6835, 37.3012, 55.9241



8.2486, 6.1469, 29.6061



9.0300, 7.9116, 12.3360



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.0790, 8.9903, 29.7422



26.1735, 13.0254, 52.0559



16.5540, 9.5158, 17.0839



5.9450, 5.8626, 7.2880



11.7174, 5.5131, 24.3776



0.1631, 0.0776, 0.2993

Inverse Universe

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



14.3209, 8.6226, 5.3247



23.3393, 12.6056, 4.8790



13.3688, 22.9178, 11.1803



5.8365, 5.8297, 6.2451



10.5773, 5.4360, 1.2550



0.1366, 0.0694, 0.0532

Previews

White Background



This preview shows how the XYZ color 16.0786, 8.9899, 29.7420 looks on a white background.

Color Contrast Check

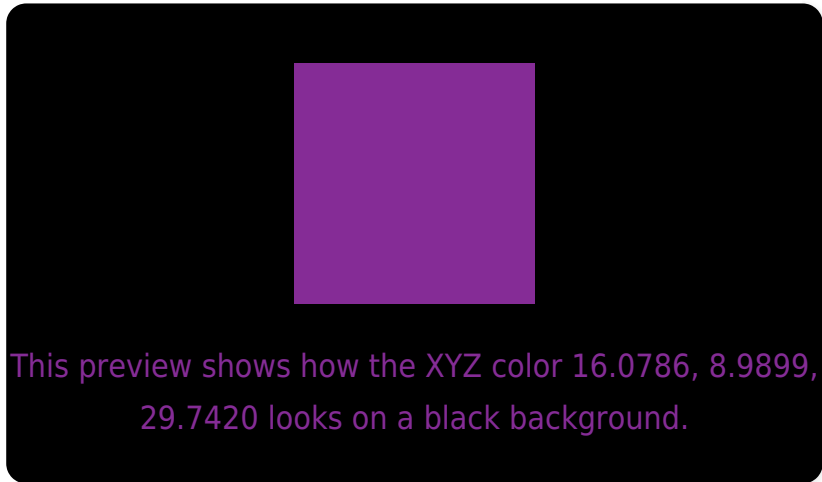
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

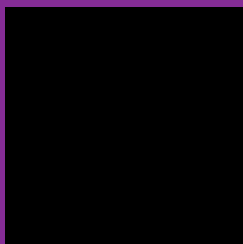
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0786, 8.9899, 29.7420

Background



This preview shows how black text looks on a background with the XYZ color 16.0786, 8.9899, 29.7420.



This preview shows how white text looks on a background with the XYZ color 16.0786, 8.9899,

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

16.0786, 8.9899, 29.7420

Protanopia

10.7552, 9.1297, 41.7528

Deuteranopia

9.4124, 9.2196, 27.2701



Tritanopia

11.6285, 9.0993, 7.8001

Trichromacy



Original Color

16.0786, 8.9899, 29.7420

Protanomaly

10.1690, 7.5158, 36.9911

Deuteranomaly

10.5834, 8.2015, 28.2194

Tritanomaly

12.8194, 8.8088, 13.5950

Monochromacy



Original Color

16.0786, 8.9899, 29.7420

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.1488, 8.0845, 14.9355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0786, 8.9899, 29.7420 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(133, 44, 150)` looks like.

```
.text, #text, p{  
    color:rgb(133, 44, 150)  
}
```

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(133, 44, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 44, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.0786, 8.9899, 29.7420 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(133, 44, 150) }
```


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

```
.border{ border-color:rgb(133, 44, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 44, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 44, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 44, 150);  
box-shadow:4px 4px 4px 4px rgb(133, 44,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0786, 8.9899, 29.7420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 44, 150) }
```

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

```
.background{ background-color: rgb(133, 44,  
150) }
```

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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