

Converting Colors

XYZ(27.2700, 13.2589, 75.9660)

Have a look what the booklet for
XYZ(27.2700, 13.2589, 75.9660)
contains.

XYZ(27.2494, 13.2468, 75.9836)	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(27.2494, 13.2468,
75.9836)**

Conversions

Conversions Part 1

Format	Color
Hex	9522E6
RGB	149, 34, 230
RGB Percent	58%, 13%, 90%
CMY	0.4157, 0.8667, 0.0980
CMYK	0.35, 0.85, 0.00, 0.10
HSL	275°, 80%, 52%
HSV	275°, 85%, 90%
XYZ	27.2494, 13.2468, 75.9836
YIQ	90.7290, 5.6240, 85.3360

Conversions

Conversions Part 2

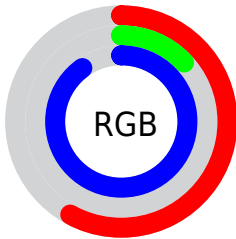
Format	Color
R _{YB}	149, 34, 230
Decimal	9773798
CIE _{Lab}	43.13, 74.81, -75.45
CIE _{LCh}	43, 106.248, 314.758
Yxy	13.2468, 0.2339, 0.1137
Android (android.graphics.Color)	4287963878 (0xFF9522E6)
YUV	90.7290, 68.6606, 51.1037
Hunter-Lab	36.3962, 69.9477, -98.3014

Details

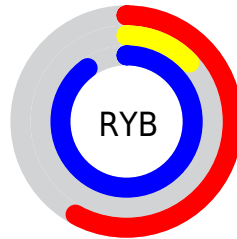
The XYZ color **27.2494, 13.2468, 75.9836** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **35.6556, 60.3541, 11.2837**, and the grayscale version is **9.7319, 10.2388, 11.1500**.

A 20% lighter version of the original color is **48.6192, 29.3247, 97.7055**, and **11.5673, 5.0918, 39.9083** is the 20% darker color. If you saturate the color by 10%, you get **25.1336, 11.4846, 75.7553**, and if you desaturate by 10%, it is **29.9470, 15.9603, 76.3655**.

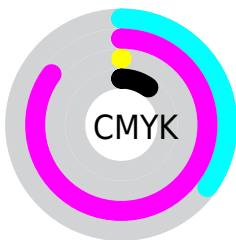
Distribution



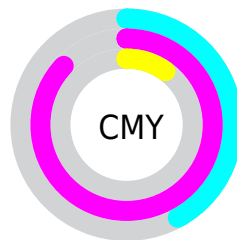
- Red (58%)
- Green (13%)
- Blue (90%)



- Red (58%)
- Yellow (13%)
- Blue (90%)



- Cyan (35%)
- Magenta (85%)
- Yellow (0%)
- Black (10%)



- Cyan (42%)
- Magenta (87%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2494, 13.2468, 75.9836 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 27.2494, 13.2468, 75.9836 by changing the saturation by 10% instead.

27.2494, 13.2468,
75.9836

27.2494, 13.2468,
75.9836

281.0082,
212.4934, 500.6369

17.8982, 7.5987,
55.9125

54.7009, 31.7465,
129.4636

10.9762, 3.8393,
39.7292

73.5319, 45.3668,
163.7096

6.1180, 1.5841,
27.0153

96.2534, 62.4134,
203.5176

2.9583, 0.3468,
17.3522

123.2310, 83.2706,
249.3061

1.1317, 0.0000,
10.3213

154.8299,
108.3228, 301.4938

0.0514, 0.0000,
5.5041

191.4155,

0.0000, 0.0000,

137.9544, 360.4991

2.4821

233.3532,
172.5498, 426.7406

■ 0.0000, 0.0000,
0.8307

■ 0.0000, 0.0000,
0.0000

■ 27.2494, 13.2468,
75.9836

■ 27.2494, 13.2468,
75.9836

■ 25.1336, 11.4846,
75.7553

■ 29.9470, 15.9603,
76.3655

■ 24.2670, 10.8602,
75.6804

■ 33.3030, 19.7770,
76.9253

■ 37.3830, 24.8220,
77.6840

■ 42.2431, 31.2029,
78.6595

■ 47.9331, 39.0152,
79.8675

■ 54.4983, 48.3452,
81.3224

■ 61.9807, 59.2726,
83.0372

■ 70.4192, 71.8711,
85.0242

■ 79.8502, 86.2098,
87.2948

Harmonies

Analogous

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



17.0425, 13.2468, 116.7339



27.2494, 13.2468, 75.9836



34.7109, 13.2468, 29.8232

Triad

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



27.2494, 13.2468, 75.9836



17.2003, 13.2468, 0.0000



2.6777, 13.2468, 29.2294

Complementary

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



27.2494, 13.2468, 75.9836



35.6556, 60.3541, 11.2837

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.



2.6900, 13.2468, 5.5198



27.2494, 13.2468, 75.9836



8.9907, 13.2468, 0.0000

Square

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



27.2494, 13.2468, 75.9836



27.4072, 13.2468, 0.0000



4.4399, 13.2468, 0.0000



4.3931, 13.2468, 75.1702

Rectangle

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



27.2494, 13.2468, 75.9836



35.7025, 13.2468, 10.9973



4.4399, 13.2468, 0.0000



2.5153, 13.2468, 18.4963

Sweetspot

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



27.2501, 13.2472, 75.9839



68.0518, 59.9151, 102.5858



21.1498, 18.4676, 77.3131



13.9276, 11.9110, 21.8149



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.



27.2501, 13.2472, 75.9839



30.5581, 13.6681, 95.6354



45.3004, 22.8052, 65.4099



14.3892, 14.3029, 18.1467



13.8808, 6.2217, 42.8525



1.1308, 0.5139, 3.1716

Inverse Universe

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



36.2997, 19.2049, 18.0127



43.8093, 22.2877, 15.4599



29.5396, 57.1671, 12.5330



14.6227, 14.4663, 16.2137



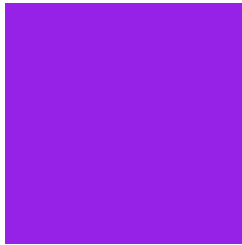
19.7032, 10.0155, 7.3319



1.5013, 0.7582, 0.7804

Previews

White Background



This preview shows how the XYZ color 27.2494, 13.2468, 75.9836 looks on a white background.

Color Contrast Check

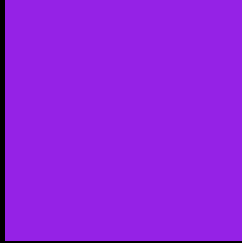
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2494, 13.2468, 75.9836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

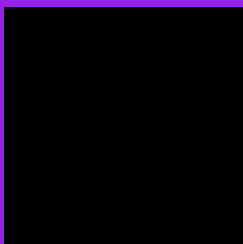
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2494, 13.2468, 75.9836

Background



This preview shows how black text looks on a background with the XYZ color 27.2494, 13.2468, 75.9836.



This preview shows how white text looks on a background with the XYZ color 27.2494, 13.2468,

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

27.2494, 13.2468, 75.9836

Protanopia

15.8470, 13.4777, 61.4407

Deuteranopia

13.2898, 13.3984, 45.0657



Tritanopia

14.6638, 13.2301, 14.0927

Trichromacy



Original Color

27.2494, 13.2468, 75.9836



Protanomaly

16.4321, 10.7743, 66.1793



Deuteranomaly

14.5103, 10.4535, 54.6790



Tritanomaly

17.3355, 11.7594, 29.3731

Monochromacy



Original Color

27.2494, 13.2468, 75.9836



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

13.7547, 9.7781, 26.7536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2494, 13.2468, 75.9836 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(149, 34, 230)` looks like.

```
.text, #text, p{  
    color:rgb(149, 34, 230)  
}
```

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(149, 34, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 34, 230) }
```

Border

The CSS property to change the border of an element to XYZ 27.2494, 13.2468, 75.9836 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(149, 34, 230) }
```


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

```
.border{ border-color:rgb(149, 34, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 34, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 34, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 34, 230);  
box-shadow:4px 4px 4px 4px rgb(149, 34,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2494, 13.2468, 75.9836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 34, 230) }
```

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

```
.background{ background-color: rgb(149, 34,  
230) }
```

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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