

Converting Colors

XYZ(18.2811, 13.2155, 27.7758)

Have a look what the booklet for
XYZ(18.2811, 13.2155, 27.7758)
contains.

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Color

**XYZ(18.2930, 13.2168,
27.9725)**

Conversions

Conversions Part 1

Format	Color
Hex	895190
RGB	137, 81, 144
RGB Percent	54%, 32%, 56%
CMY	0.4627, 0.6823, 0.4353
CMYK	0.05, 0.44, 0.00, 0.44
HSL	293°, 28%, 44%
HSV	293°, 44%, 56%
XYZ	18.2930, 13.2168, 27.9725
YIQ	104.9260, 13.1530, 31.4650

Conversions

Conversions Part 2

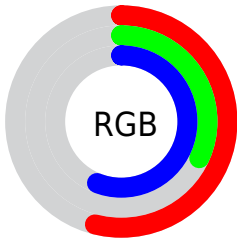
Format	Color
RYB	137, 81, 144
Decimal	8999312
CIELab	43.09, 33.99, -25.27
CIELCh	43, 42.353, 323.377
Yxy	13.2168, 0.3075, 0.2222
Android (android.graphics.Color)	4287189392 (0xFF895190)
YUV	104.9260, 19.2635, 28.1289
Hunter-Lab	36.3549, 26.1962, -20.1710

Details

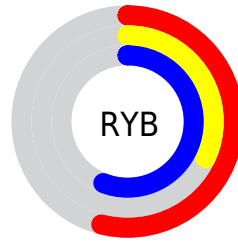
The XYZ color **18.2930, 13.2168, 27.9725** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.4833, 22.6156, 11.3343**, and the grayscale version is **13.3546, 14.0501, 15.3006**.

A 20% lighter version of the original color is **40.1825, 31.7862, 57.4436**, and **6.2660, 3.8093, 10.7609** is the 20% darker color. If you saturate the color by 10%, you get **17.0741, 11.1651, 27.6409**, and if you desaturate by 10%, it is **19.7436, 15.7255, 28.3805**.

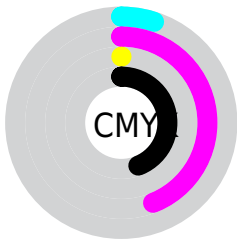
Distribution



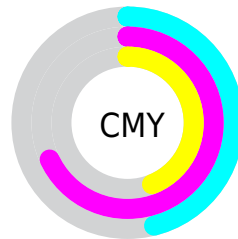
- Red (54%)
- Green (32%)
- Blue (56%)



- Red (54%)
- Yellow (32%)
- Blue (56%)



- Cyan (5%)
- Magenta (44%)
- Yellow (0%)
- Black (44%)



- Cyan (46%)
- Magenta (68%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2930, 13.2168, 27.9725 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 18.2930, 13.2168, 27.9725 by changing the saturation by 10% instead.

■ 18.2930, 13.2168,
27.9725

■ 18.2930, 13.2168,
27.9725

235.5312,
212.3025, 306.2433

■ 11.2615, 7.5780,
18.0661

■ 40.0621, 31.6927,
57.4631

■ 6.3116, 3.8261,
10.8275

■ 55.5305, 45.2987,
77.8844

■ 3.0779, 1.5768,
5.8383

■ 74.5419, 62.3291,
102.6476

■ 1.1951, 0.3419,
2.6798

■ 97.4616, 83.1684,
132.1715

■ 0.1025, 0.0000,
0.9332

■ 124.6550,
108.2010, 166.8744

■ 0.0000, 0.0000,
0.0000

156.4875,

137.8113, 207.1750

193.3245,
172.3836, 253.4918

■ 18.2930, 13.2168,
27.9725

■ 18.2930, 13.2168,
27.9725

■ 17.0741, 11.1651,
27.6409

■ 19.7436, 15.7255,
28.3805

■ 16.0710, 9.5398,
27.3801

■ 21.4379, 18.7159,
28.8684

■ 15.2682, 8.3091,
27.1848

■ 23.3884, 22.2130,
29.4406

■ 14.6470, 7.4361,
27.0491

■ 25.6065, 26.2396,
30.1009

■ 14.1853, 6.8763,
26.9654

■ 28.1030, 30.8169,
30.8528

■ 13.9364, 6.6030,
26.9257

■ 30.8879, 35.9652,
31.6998

■ 33.9708, 41.7035,
32.6449

■ 37.3608, 48.0503,
33.6913

■ 41.0668, 55.0229,
34.8418

Harmonies

Analogous

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



15.2164, 13.2168, 37.9521



18.2930, 13.2168, 27.9725



19.8722, 13.2168, 16.5617

Triad

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



18.2930, 13.2168, 27.9725



13.2989, 13.2168, 2.9114



7.6431, 13.2168, 22.7515

Complementary

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



18.2930, 13.2168, 27.9725



15.4833, 22.6156, 11.3343

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.



7.3087, 13.2168, 12.4185



18.2930, 13.2168, 27.9725



10.2360, 13.2168, 3.4032

Square

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



18.2930, 13.2168, 27.9725



16.6838, 13.2168, 4.2578



8.1739, 13.2168, 6.1198



9.1823, 13.2168, 34.1362

Rectangle

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



18.2930, 13.2168, 27.9725



19.6986, 13.2168, 10.6250



8.1739, 13.2168, 6.1198



7.3984, 13.2168, 18.9554

Sweetspot

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



18.2935, 13.2174, 27.9728



41.4289, 39.4987, 51.9785



11.9464, 10.8005, 27.8408



9.3316, 8.7532, 11.8699



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.2935, 13.2174, 27.9728



30.2487, 19.9148, 48.7877



17.8255, 13.1671, 19.3240



5.5681, 5.4810, 6.7932



12.1482, 5.7562, 23.4479



0.1270, 0.0606, 0.2247

Inverse Universe

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



16.2058, 12.5192, 10.7952



26.1933, 18.5835, 14.2901



15.9245, 22.7192, 16.9515



5.4317, 5.4332, 5.7716



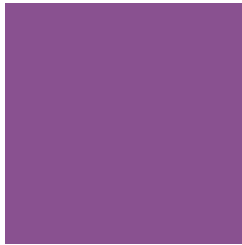
10.1022, 5.1979, 0.9234



0.1004, 0.0512, 0.0290

Previews

White Background



This preview shows how the XYZ color 18.2930, 13.2168, 27.9725 looks on a white background.

Color Contrast Check

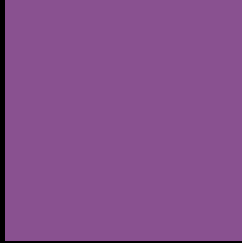
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2930, 13.2168, 27.9725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

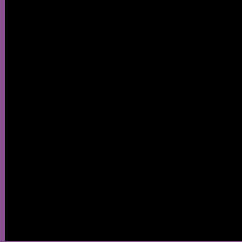
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2930, 13.2168, 27.9725

Background



This preview shows how black text looks on a background with the XYZ color 18.2930, 13.2168, 27.9725.



This preview shows how white text looks on a background with the XYZ color 18.2930, 13.2168,

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

18.2930, 13.2168, 27.9725

Protanopia

14.2106, 13.3579, 35.0871

Deuteranopia

13.6038, 13.3745, 26.6755



Tritanopia

15.3058, 13.1893, 13.2944

Trichromacy



Original Color

18.2930, 13.2168, 27.9725

Protanomaly

15.1139, 12.9285, 32.2707

Deuteranomaly

14.8738, 13.0543, 26.9351

Tritanomaly

16.1756, 13.0407, 17.8842

Monochromacy



Original Color

18.2930, 13.2168, 27.9725

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.8488, 13.4796, 19.2720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2930, 13.2168, 27.9725 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(137, 81, 144)` looks like.

```
.text, #text, p{  
    color:rgb(137, 81, 144)  
}
```

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(137, 81, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 81, 144) }
```

Border

The CSS property to change the border of an element to XYZ 18.2930, 13.2168, 27.9725 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(137, 81, 144) }
```


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

```
.border{ border-color:rgb(137, 81, 144) }
```

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

Here you see how a box with a 4 pixel rgb(137, 81, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 81, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 81, 144);  
box-shadow:4px 4px 4px 4px rgb(137, 81,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2930, 13.2168, 27.9725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 81, 144) }
```

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

```
.background{ background-color: rgb(137, 81,  
144) }
```

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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