

Converting Colors

XYZ(18.2059, 11.9023, 30.0975)

Have a look what the booklet for
XYZ(18.2059, 11.9023, 30.0975)
contains.

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Color

**XYZ(18.2806, 11.9472,
30.1967)**

Conversions

Conversions Part 1

Format	Color
Hex	8B4596
RGB	139, 69, 150
RGB Percent	55%, 27%, 59%
CMY	0.4549, 0.7294, 0.4118
CMYK	0.07, 0.54, 0.00, 0.41
HSL	292°, 37%, 43%
HSV	292°, 54%, 59%
XYZ	18.2806, 11.9472, 30.1967
YIQ	99.1640, 15.7190, 40.0310

Conversions

Conversions Part 2

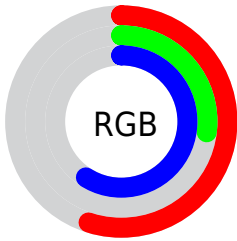
Format	Color
R_{YB}	139, 69, 150
Decimal	9127318
CIE _{Lab}	41.13, 42.36, -31.92
CIE _{LCh}	41, 53.039, 322.997
Yxy	11.9472, 0.3025, 0.1977
Android (android.graphics.Color)	4287317398 (0xFF8B4596)
YUV	99.1640, 25.0621, 34.9362
Hunter-Lab	34.5647, 33.9169, -27.6021

Details

The XYZ color **18.2806, 11.9472, 30.1967** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.2891, 23.9481, 9.4473**, and the grayscale version is **11.8375, 12.4539, 13.5623**.

A 20% lighter version of the original color is **39.9840, 29.3101, 61.3076**, and **6.2903, 3.2802, 12.1060** is the 20% darker color. If you saturate the color by 10%, you get **17.1350, 10.1560, 29.9115**, and if you desaturate by 10%, it is **19.6666, 14.2092, 30.5604**.

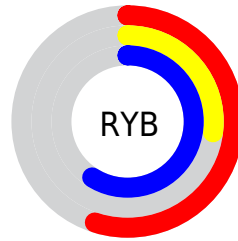
Distribution



Red (55%)

Green (27%)

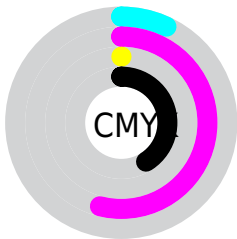
Blue (59%)



Red (55%)

Yellow (27%)

Blue (59%)

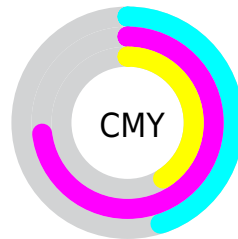


Cyan (7%)

Magenta (54%)

Yellow (0%)

Black (41%)



Cyan (45%)

Magenta (73%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2806, 11.9472, 30.1967 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 18.2806, 11.9472, 30.1967 by changing the saturation by 10% instead.

■ 18.2806, 11.9472,
30.1967

■ 18.2806, 11.9472,
30.1967

235.4630,
204.0554, 317.0560

■ 11.2525, 6.7077,
19.7346

■ 40.0412, 29.3989,
61.0378

■ 6.3055, 3.2800,
12.0201

■ 55.5045, 42.3799,
82.2539

■ 3.0741, 1.2796,
6.6347

■ 74.5102, 58.7103,
107.8917

■ 1.1931, 0.1253,
3.1597

■ 97.4238, 78.7743,
138.3698

■ 0.1009, 0.0000,
1.1768

■ 124.6104,
102.9565, 174.1068

■ 0.0000, 0.0000,
0.0000

156.4357,

131.6411, 215.5211

193.2647,
165.2126, 263.0314

■ 18.2806, 11.9472,
30.1967

■ 18.2806, 11.9472,
30.1967

■ 17.1350, 10.1560,
29.9115

■ 19.6666, 14.2092,
30.5604

■ 16.2107, 8.7981,
29.6981

■ 21.3079, 16.9726,
31.0073

■ 15.4873, 7.8330,
29.5500

■ 23.2195, 20.2673,
31.5425

■ 14.9402, 7.2111,
29.4588

■ 25.4151, 24.1202,
32.1705

■ 14.6545, 6.9187,
29.4174

■ 27.9072, 28.5566,
32.8954

■ 30.7077, 33.6001,
33.7213

■ 33.8277, 39.2730,
34.6519

■ 37.2780, 45.5966,
35.6906

■ 41.0686, 52.5911,
36.8409

Harmonies

Analogous

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



14.4699, 11.9472, 43.5233



18.2806, 11.9472, 30.1967



20.3056, 11.9472, 15.7424

Triad

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



18.2806, 11.9472, 30.1967



12.2737, 11.9472, 1.3127



5.8520, 11.9472, 23.0660

Complementary

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



18.2806, 11.9472, 30.1967



15.2891, 23.9481, 9.4473

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.



5.5189, 11.9472, 10.6110



18.2806, 11.9472, 30.1967



8.7234, 11.9472, 1.6688

Square

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



18.2806, 11.9472, 30.1967



16.3686, 11.9472, 2.4090



6.4460, 11.9472, 4.0173



7.4872, 11.9472, 38.0400

Rectangle

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



18.2806, 11.9472, 30.1967



20.1100, 11.9472, 8.8318



6.4460, 11.9472, 4.0173



5.6016, 11.9472, 18.3297

Sweetspot

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



18.2810, 11.9477, 30.1970



43.9082, 40.9010, 56.5017



10.9133, 9.3749, 30.0887



9.5695, 8.7806, 12.4753



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.



18.2810, 11.9477, 30.1970



29.8338, 17.3110, 52.6902



18.1973, 12.1372, 19.6829



5.9587, 5.8697, 7.2886



12.1736, 5.7483, 24.3989



0.1662, 0.0792, 0.2994

Inverse Universe

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



16.1541, 11.3199, 8.9234



25.8908, 16.2115, 10.3456



15.5350, 23.9478, 15.1991



5.8310, 5.8275, 6.2161



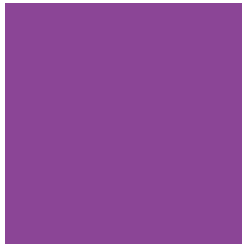
10.5467, 5.4237, 1.0937



0.1353, 0.0689, 0.0459

Previews

White Background



This preview shows how the XYZ color 18.2806, 11.9472, 30.1967 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 18.2806, 11.9472, 30.1967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

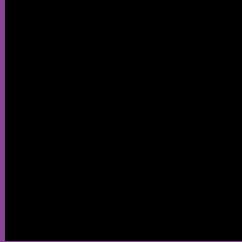
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2806, 11.9472, 30.1967

Background



This preview shows how black text looks on a background with the XYZ color 18.2806, 11.9472, 30.1967.



This preview shows how white text looks on a background with the XYZ color 18.2806, 11.9472,

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

18.2806, 11.9472, 30.1967

Protanopia

13.6567, 12.2325, 41.6857

Deuteranopia

12.3660, 12.1302, 28.4777



Tritanopia

14.4187, 11.9213, 11.4386

Trichromacy



Original Color

18.2806, 11.9472, 30.1967

Protanomaly

14.2391, 11.4960, 37.0658

Deuteranomaly

13.8202, 11.5756, 29.1097

Tritanomaly

15.5521, 11.8301, 16.7930

Monochromacy



Original Color

18.2806, 11.9472, 30.1967

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.6992, 11.8649, 18.7077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2806, 11.9472, 30.1967 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(139, 69, 150)` looks like.

```
.text, #text, p{  
    color:rgb(139, 69, 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(139, 69, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 69, 150) }
```

Border

The CSS property to change the border of an element to XYZ 18.2806, 11.9472, 30.1967 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(139, 69, 150) }
```


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

```
.border{ border-color:rgb(139, 69, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 69, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 69, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 69, 150);  
box-shadow:4px 4px 4px 4px rgb(139, 69,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2806, 11.9472, 30.1967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 69, 150) }
```

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

```
.background{ background-color: rgb(139, 69,  
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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