

Converting Colors

XYZ(18.9516, 10.9684, 47.6563)

Have a look what the booklet for
XYZ(18.9516, 10.9684, 47.6563)
contains.

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Color

**XYZ(18.9802, 11.0069,
47.5786)**

Conversions

Conversions Part 1

Format	Color
Hex	7E3ABA
RGB	126, 58, 186
RGB Percent	49%, 23%, 73%
CMY	0.5059, 0.7725, 0.2706
CMYK	0.32, 0.69, 0.00, 0.27
HSL	272°, 52%, 48%
HSV	272°, 69%, 73%
XYZ	18.9802, 11.0069, 47.5786
YIQ	92.9240, -0.5600, 54.2240

Conversions

Conversions Part 2

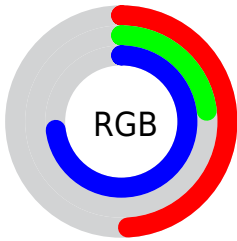
Format	Color
R_{YB}	126, 58, 186
Decimal	8272570
CIE _{Lab}	39.59, 52.63, -55.92
CIE _{LCh}	40, 76.792, 313.265
Yxy	11.0069, 0.2447, 0.1419
Android (android.graphics.Color)	4286462650 (0xFF7E3ABA)
YUV	92.9240, 45.8865, 29.0077
Hunter-Lab	33.1766, 44.0599, -61.8041

Details

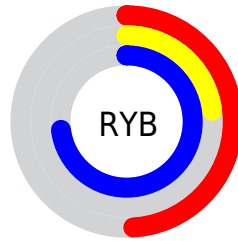
The XYZ color **18.9802, 11.0069, 47.5786** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **25.7938, 39.2750, 10.2245**, and the grayscale version is **10.2838, 10.8194, 11.7823**.

A 20% lighter version of the original color is **41.2820, 27.6902, 87.9630**, and **6.6906, 2.9680, 22.0500** is the 20% darker color. If you saturate the color by 10%, you get **16.9761, 8.8244, 47.2632**, and if you desaturate by 10%, it is **21.4360, 13.9252, 48.0127**.

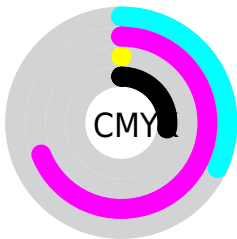
Distribution



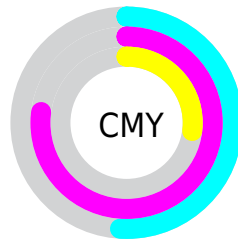
- Red (49%)
- Green (23%)
- Blue (73%)



- Red (49%)
- Yellow (23%)
- Blue (73%)



- Cyan (32%)
- Magenta (69%)
- Yellow (0%)
- Black (27%)



- Cyan (51%)
- Magenta (77%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9802, 11.0069, 47.5786 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 18.9802, 11.0069, 47.5786 by changing the saturation by 10% instead.

18.9802, 11.0069,
47.5786

18.9802, 11.0069,
47.5786

239.2796,
197.7149, 393.5798

11.7599, 6.0715,
33.1357

41.2178, 27.6729,
87.9357

6.6514, 2.8886,
21.9584

56.9657, 40.1723,
114.6869

3.2895, 1.0738,
13.6283

76.2870, 55.9618,
146.3779

1.3086, 0.0000,
7.7268

99.5468, 75.4258,
183.4274

0.1897, 0.0000,
3.8354

127.1107, 98.9488,
226.2537

0.0000, 0.0000,
1.5355

159.3439,

0.0000, 0.0000,

126.9150, 275.2756

0.2442

196.6117,
159.7089, 330.9114

■ 0.0000, 0.0000,
0.0000

■ 18.9802, 11.0069,
47.5786

■ 18.9802, 11.0069,
47.5786

■ 16.9761, 8.8244,
47.2632

■ 21.4360, 13.9252,
48.0127

■ 15.3809, 7.2980,
47.0526

■ 24.3774, 17.6449,
48.5756

■ 14.1255, 6.2936,
46.9249

■ 27.8365, 22.2258,
49.2775

■ 13.9885, 6.1875,
46.9117

■ 31.8419, 27.7211,
50.1271

■ 36.4201, 34.1800,
51.1325

■ 41.5953, 41.6477,
52.3011

■ 47.3907, 50.1668,
53.6400

■ 53.8280, 59.7772,
55.1558

■ 60.9276, 70.5169,
56.8545

Harmonies

Analogous

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



12.9434, 11.0069, 67.5685



18.9802, 11.0069, 47.5786



23.3523, 11.0069, 22.3400

Triad

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



18.9802, 11.0069, 47.5786



13.6335, 11.0069, 0.0000



3.4081, 11.0069, 19.8835

Complementary

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



18.9802, 11.0069, 47.5786



25.7938, 39.2750, 10.2245

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.



3.4833, 11.0069, 5.4564



18.9802, 11.0069, 47.5786



8.3194, 11.0069, 0.0000

Square

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



18.9802, 11.0069, 47.5786



19.6282, 11.0069, 1.0986



4.9715, 11.0069, 0.8629



4.7137, 11.0069, 44.5521

Rectangle

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



18.9802, 11.0069, 47.5786



24.0591, 11.0069, 10.4179



4.9715, 11.0069, 0.8629



3.2902, 11.0069, 13.7010

Sweetspot

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



18.9807, 11.0073, 47.5789



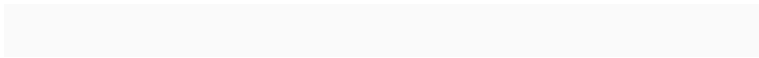
63.8123, 58.8202, 92.1916



17.3085, 17.8459, 48.9870



13.5388, 12.2265, 20.1889



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.9807, 11.0073, 47.5789



29.0771, 14.3205, 85.4330



30.4008, 16.9205, 46.9381



8.9643, 8.9480, 11.3341



9.4982, 4.2077, 31.5646



0.4056, 0.1848, 1.1160

Inverse Universe

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



25.0329, 14.7734, 18.6714



41.9066, 22.2814, 25.1726



20.1232, 36.3453, 10.2484



9.1751, 9.0804, 10.2694



14.8230, 7.5030, 6.9549



0.5539, 0.2770, 0.4101

Previews

White Background



This preview shows how the XYZ color 18.9802, 11.0069, 47.5786 looks on a white background.

Color Contrast Check

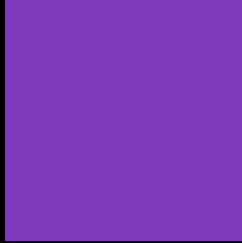
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9802, 11.0069, 47.5786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

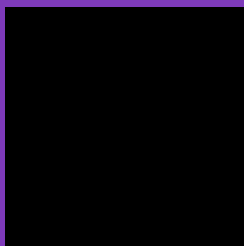
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9802, 11.0069, 47.5786

Background



This preview shows how black text looks on a background with the XYZ color 18.9802, 11.0069, 47.5786.



This preview shows how white text looks on a background with the XYZ color 18.9802, 11.0069,

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

18.9802, 11.0069, 47.5786

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

11.1579, 11.1558, 38.1244



Tritanopia

11.8620, 11.0569, 12.3355

Trichromacy



Original Color

18.9802, 11.0069, 47.5786

Protanomaly

13.0364, 9.7037, 49.3300

Deuteranomaly

11.7840, 9.6714, 41.2901

Tritanomaly

13.6204, 10.5111, 21.7330

Monochromacy



Original Color

18.9802, 11.0069, 47.5786

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.5251, 10.2729, 21.4014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9802, 11.0069, 47.5786 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(126, 58, 186)` looks like.

```
.text, #text, p{  
    color:rgb(126, 58, 186)  
}
```

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(126, 58, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 58, 186) }
```

Border

The CSS property to change the border of an element to XYZ 18.9802, 11.0069, 47.5786 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(126, 58, 186) }
```


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

```
.border{ border-color:rgb(126, 58, 186) }
```

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

Here you see how a box with a 4 pixel rgb(126, 58, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 58, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 58, 186);  
box-shadow:4px 4px 4px 4px rgb(126, 58,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9802, 11.0069, 47.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 58, 186) }
```

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

```
.background{ background-color: rgb(126, 58,  
186) }
```

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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