

Converting Colors

XYZ(18.3166, 11.6147, 28.5808)

Have a look what the booklet for
XYZ(18.3166, 11.6147, 28.5808)
contains.

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Color

**XYZ(18.2339, 11.6067,
28.4734)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4192
RGB	142, 65, 146
RGB Percent	56%, 25%, 57%
CMY	0.4431, 0.7451, 0.4274
CMYK	0.03, 0.55, 0.00, 0.43
HSL	297°, 38%, 41%
HSV	297°, 55%, 57%
XYZ	18.2339, 11.6067, 28.4734
YIQ	97.2570, 19.8910, 41.5150

Conversions

Conversions Part 2

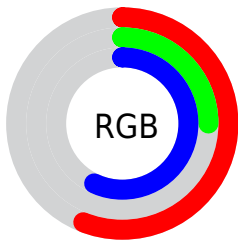
Format	Color
R_{YB}	142, 65, 146
Decimal	9322898
CIE _{Lab}	40.58, 44.47, -30.34
CIE _{LCh}	41, 53.835, 325.700
Yxy	11.6067, 0.3127, 0.1990
Android (android.graphics.Color)	4287512978 (0xFF8E4192)
YUV	97.2570, 24.0303, 39.2396
Hunter-Lab	34.0686, 35.9151, -25.7046

Details

The XYZ color **18.2339, 11.6067, 28.4734** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.6877, 22.2049, 8.5662**, and the grayscale version is **11.3652, 11.9571, 13.0213**.

A 20% lighter version of the original color is **40.0753, 28.8985, 58.1093**, and **6.2722, 3.1237, 11.0988** is the 20% darker color. If you saturate the color by 10%, you get **17.3784, 10.0785, 28.2237**, and if you desaturate by 10%, it is **19.3077, 13.5696, 28.7959**.

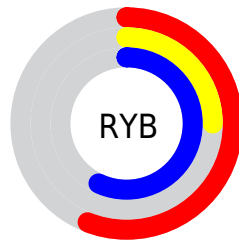
Distribution



Red (56%)

Green (25%)

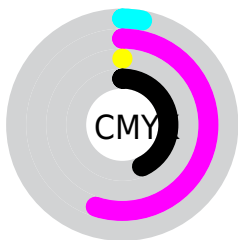
Blue (57%)



Red (56%)

Yellow (25%)

Blue (57%)

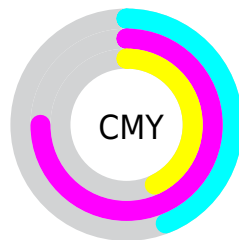


Cyan (3%)

Magenta (55%)

Yellow (0%)

Black (43%)



Cyan (44%)

Magenta (75%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2339, 11.6067, 28.4734 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 18.2339, 11.6067, 28.4734 by changing the saturation by 10% instead.

18.2339, 11.6067,
28.4734

18.2339, 11.6067,
28.4734

235.2063,
201.7839, 308.7049

11.2188, 6.4765,
18.4407

39.9624, 28.7767,
58.2715

6.2825, 3.1369,
11.0941

55.4066, 41.5853,
78.8740

3.0599, 1.2036,
6.0152

74.3910, 57.7222,
103.8368

1.1855, 0.0647,
2.7854

97.2812, 77.5716,
133.5786

0.0949, 0.0000,
0.9861

124.4425,
101.5182, 168.5177

0.0000, 0.0000,
0.0000

156.2402,

129.9461, 209.0728

193.0397,
163.2399, 255.6623

■ 18.2339, 11.6067,
28.4734

■ 18.2339, 11.6067,
28.4734

■ 17.3784, 10.0785,
28.2237

■ 19.3077, 13.5696,
28.7959

■ 16.7229, 8.9494,
28.0403

■ 20.6137, 15.9963,
29.1954

■ 16.2482, 8.1806,
27.9169

■ 22.1663, 18.9149,
29.6769

■ 15.9270, 7.7177,
27.8445

■ 23.9782, 22.3509,
30.2447

■ 15.8009, 7.5463,
27.8181

■ 26.0614, 26.3283,
30.9026

■ 28.4270, 30.8693,
31.6544

■ 31.0856, 35.9950,
32.5036

■ 34.0471, 41.7253,
33.4536

■ 37.3210, 48.0794,
34.5075

Harmonies

Analogous

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



14.5127, 11.6067, 42.4166



18.2339, 11.6067, 28.4734



20.0374, 11.6067, 14.2720

Triad

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



18.2339, 11.6067, 28.4734



11.5886, 11.6067, 1.1495



5.6718, 11.6067, 24.0550

Complementary

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



18.2339, 11.6067, 28.4734



13.6877, 22.2049, 8.5662

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.



5.2330, 11.6067, 11.1332



18.2339, 11.6067, 28.4734



8.1574, 11.6067, 1.6061

Square

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



18.2339, 11.6067, 28.4734



15.6817, 11.6067, 2.0361



6.0306, 11.6067, 4.1343



7.4061, 11.6067, 38.9968

Rectangle

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



18.2339, 11.6067, 28.4734



19.6646, 11.6067, 7.7796



6.0306, 11.6067, 4.1343



5.3878, 11.6067, 19.1867

Sweetspot

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



18.2343, 11.6072, 28.4736



41.6676, 38.2264, 53.1559



9.5000, 7.4621, 28.1339



9.1415, 8.2610, 11.7849



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.



18.2343, 11.6072, 28.4736



30.2897, 17.1367, 49.6848



16.5348, 11.0081, 15.8776



6.0073, 5.8948, 7.2909



13.9104, 6.6437, 24.4802



0.1773, 0.0849, 0.3000

Inverse Universe

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



14.8189, 10.3218, 6.8420



23.7085, 14.6789, 7.1352



14.8304, 22.6303, 16.0149



5.8117, 5.8198, 6.1147



10.4689, 5.3926, 0.6844



0.1304, 0.0669, 0.0205

Previews

White Background



This preview shows how the XYZ color 18.2339, 11.6067, 28.4734 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 18.2339, 11.6067, 28.4734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

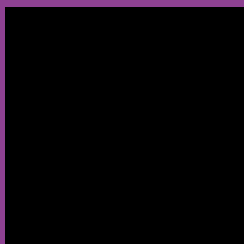
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2339, 11.6067, 28.4734

Background



This preview shows how black text looks on a background with the XYZ color 18.2339, 11.6067, 28.4734.



This preview shows how white text looks on a background with the XYZ color 18.2339, 11.6067,

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

18.2339, 11.6067, 28.4734

Protanopia

13.2527, 11.9138, 40.6308

Deuteranopia

12.1325, 11.9085, 26.8584



Tritanopia

14.6544, 11.7239, 10.5074

Trichromacy



Original Color

18.2339, 11.6067, 28.4734

Protanomaly

13.8239, 10.9547, 36.0362

Deuteranomaly

13.5733, 11.2469, 27.4421

Tritanomaly

15.7041, 11.5181, 15.5829

Monochromacy



Original Color

18.2339, 11.6067, 28.4734

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.1531, 11.2455, 17.6970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2339, 11.6067, 28.4734 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(142, 65, 146)` looks like.

```
.text, #text, p{  
    color:rgb(142, 65, 146)  
}
```

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(142, 65, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 65, 146) }
```

Border

The CSS property to change the border of an element to XYZ 18.2339, 11.6067, 28.4734 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(142, 65, 146) }
```


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

```
.border{ border-color:rgb(142, 65, 146) }
```

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

Here you see how a box with a 4 pixel rgb(142, 65, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 65, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 65, 146);  
box-shadow:4px 4px 4px 4px rgb(142, 65,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2339, 11.6067, 28.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 65, 146) }
```

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

```
.background{ background-color: rgb(142, 65,  
146) }
```

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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