

Converting Colors

XYZ(18.7527, 11.6735, 27.9643)

Have a look what the booklet for
XYZ(18.7527, 11.6735, 27.9643)
contains.

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Color

**XYZ(18.6875, 11.6006,
28.0423)**

Conversions

Conversions Part 1

Format	Color
Hex	923E91
RGB	146, 62, 145
RGB Percent	57%, 24%, 57%
CMY	0.4274, 0.7568, 0.4314
CMYK	0.00, 0.58, 0.01, 0.43
HSL	301°, 40%, 41%
HSV	301°, 58%, 57%
XYZ	18.6875, 11.6006, 28.0423
YIQ	96.5780, 23.4210, 43.6210

Conversions

Conversions Part 2

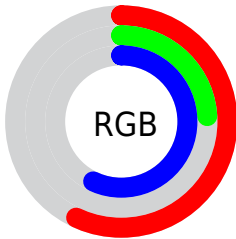
Format	Color
R _{YB}	146, 62, 145
Decimal	9584273
CIE _{Lab}	40.57, 46.89, -29.71
CIE _{LCh}	41, 55.506, 327.644
Yxy	11.6006, 0.3204, 0.1989
Android (android.graphics.Color)	4287774353 (0xFF923E91)
YUV	96.5780, 23.8720, 43.3431
Hunter-Lab	34.0597, 38.3331, -24.9734

Details

The XYZ color **18.6875, 11.6006, 28.0423** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.1632, 21.9412, 8.2446**, and the grayscale version is **11.1989, 11.7822, 12.8308**.

A 20% lighter version of the original color is **40.6832, 28.7147, 57.4311**, and **6.5454, 3.1570, 10.8541** is the 20% darker color. If you saturate the color by 10%, you get **17.9844, 10.2155, 27.7419**, and if you desaturate by 10%, it is **19.6048, 13.4133, 28.4143**.

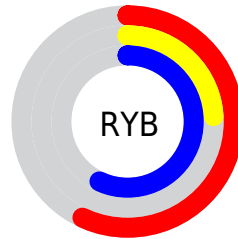
Distribution



Red (57%)

Green (24%)

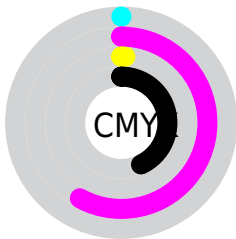
Blue (57%)



Red (57%)

Yellow (24%)

Blue (57%)

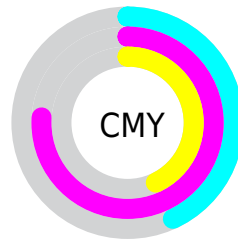


Cyan (0%)

Magenta (58%)

Yellow (1%)

Black (43%)



Cyan (43%)

Magenta (76%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6875, 11.6006, 28.0423 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 18.6875, 11.6006, 28.0423 by changing the saturation by 10% instead.

18.6875, 11.6006,
28.0423

18.6875, 11.6006,
28.0423

237.6895,
201.7429, 306.5873

11.5474, 6.4723,
18.1182

40.7263, 28.7656,
57.5759

6.5063, 3.1344,
10.8646

56.3558, 41.5710,
78.0225

3.1988, 1.2023,
5.8628

75.5456, 57.7044,
102.8137

1.2598, 0.0636,
2.6944

98.6613, 77.5500,
132.3680

0.1528, 0.0000,
0.9406

126.0682,
101.4923, 167.1039

0.0000, 0.0000,
0.0000

158.1316,

129.9156, 207.4401

195.2169,
163.2043, 253.7951

■ 18.6875, 11.6006,
28.0423

■ 18.6875, 11.6006,
28.0423

■ 17.9844, 10.2155,
27.7419

■ 19.6048, 13.4133,
28.4143

■ 17.4767, 9.2216,
27.5067

■ 20.7505, 15.6833,
28.8626

■ 17.1445, 8.5786,
27.3301

■ 22.1393, 18.4394,
29.3919

■ 16.9507, 8.2123,
27.1997

■ 23.7841, 21.7074,
30.0067

■ 16.9083, 8.1327,
27.1693

■ 25.6970, 25.5116,
30.7109

■ 27.8893, 29.8745,
31.5083

■ 30.3716, 34.8174,
32.4026

■ 33.1540, 40.3606,
33.3970

■ 36.2462, 46.5232,
34.4947

Harmonies

Analogous

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



14.9013, 11.6006, 42.9793



18.6875, 11.6006, 28.0423



20.3894, 11.6006, 13.5384

Triad

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



18.6875, 11.6006, 28.0423



11.3384, 11.6006, 1.0144



5.6108, 11.6006, 25.5097

Complementary

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



18.6875, 11.6006, 28.0423



13.1632, 21.9412, 8.2446

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.



5.0844, 11.6006, 11.7652



18.6875, 11.6006, 28.0423



7.8886, 11.6006, 1.5405

Square

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



18.6875, 11.6006, 28.0423



15.5663, 11.6006, 1.7689



5.8104, 11.6006, 4.2487



7.4675, 11.6006, 41.0050

Rectangle

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



18.6875, 11.6006, 28.0423



19.8699, 11.6006, 7.1578



5.8104, 11.6006, 4.2487



5.2948, 11.6006, 20.3589

Sweetspot

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



18.6879, 11.6011, 28.0425



42.0163, 38.4110, 52.9564



8.8981, 6.5453, 27.9888



9.2268, 8.3062, 11.7361



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.



18.6879, 11.6011, 28.0425



31.4358, 17.4512, 48.8093



16.0759, 10.5563, 14.2877



6.0324, 5.9080, 7.2766



14.8799, 7.1570, 23.9122



0.1829, 0.0879, 0.2967

Inverse Universe

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



18.6879, 11.6011, 28.0425



31.4358, 17.4512, 48.8093



14.7647, 22.5818, 16.6779



6.0324, 5.9080, 7.2766



14.8799, 7.1570, 23.9122



0.1829, 0.0879, 0.2967

Previews

White Background



This preview shows how the XYZ color 18.6875, 11.6006, 28.0423 looks on a white background.

Color Contrast Check

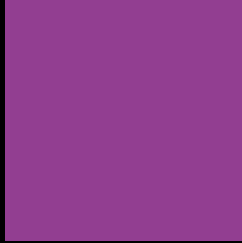
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6875, 11.6006, 28.0423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

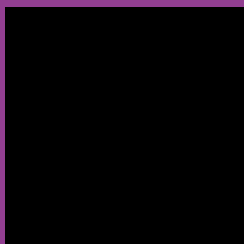
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6875, 11.6006, 28.0423

Background



This preview shows how black text looks on a background with the XYZ color 18.6875, 11.6006, 28.0423.



This preview shows how white text looks on a background with the XYZ color 18.6875, 11.6006,

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

18.6875, 11.6006, 28.0423

Protanopia

13.2905, 11.9221, 41.1359

Deuteranopia

11.9769, 11.7108, 26.0553



Tritanopia

14.9721, 11.5778, 9.8331

Trichromacy



Original Color

18.6875, 11.6006, 28.0423

Protanomaly

13.8446, 10.8526, 36.0154

Deuteranomaly

13.4945, 10.9932, 26.6100

Tritanomaly

16.0742, 11.4261, 14.9939

Monochromacy



Original Color

18.6875, 11.6006, 28.0423

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.2778, 11.2004, 17.3817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6875, 11.6006, 28.0423 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(146, 62, 145)` looks like.

```
.text, #text, p{  
    color:rgb(146, 62, 145)  
}
```

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(146, 62, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 62, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.6875, 11.6006, 28.0423 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(146, 62, 145) }
```


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

```
.border{ border-color:rgb(146, 62, 145) }
```

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

Here you see how a box with a 4 pixel rgb(146, 62, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 62, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 62, 145);  
box-shadow:4px 4px 4px 4px rgb(146, 62,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6875, 11.6006, 28.0423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 62, 145) }
```

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

```
.background{ background-color: rgb(146, 62,  
145) }
```

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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