

Converting Colors

XYZ(18.9063, 11.9488, 13.8984)

Have a look what the booklet for
XYZ(18.9063, 11.9488, 13.8984)
contains.

XYZ(18.9673, 11.9782, 13.8827)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.9673, 11.9782,
13.8827)**

Conversions

Conversions Part 1

Format	Color
Hex	A23D66
RGB	162, 61, 102
RGB Percent	64%, 24%, 40%
CMY	0.3647, 0.7608, 0.6000
CMYK	0.00, 0.62, 0.37, 0.36
HSL	336°, 45%, 44%
HSV	336°, 62%, 64%
XYZ	18.9673, 11.9782, 13.8827
YIQ	95.8730, 47.0350, 34.1630

Conversions

Conversions Part 2

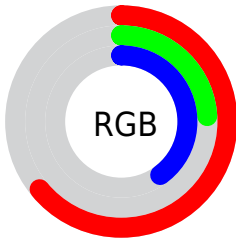
Format	Color
R_{YB}	162, 61, 102
Decimal	10632550
CIE _{Lab}	41.18, 45.71, -2.07
CIE _{LCh}	41, 45.761, 357.403
Yxy	11.9782, 0.4231, 0.2672
Android (android.graphics.Color)	4288822630 (0xFFA23D66)
YUV	95.8730, 3.0206, 57.9934
Hunter-Lab	34.6095, 37.2579, 0.4441

Details

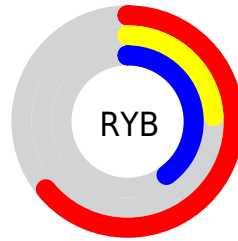
The XYZ color **18.9673, 11.9782, 13.8827** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.2967, 28.2135, 22.5724**, and the grayscale version is **11.0729, 11.6496, 12.6864**.

A 20% lighter version of the original color is **41.2823, 29.5502, 33.6649**, and **6.6334, 3.3400, 3.9095** is the 20% darker color. If you saturate the color by 10%, you get **17.7795, 10.3227, 11.2670**, and if you desaturate by 10%, it is **20.4724, 14.1795, 16.8778**.

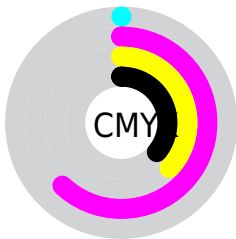
Distribution



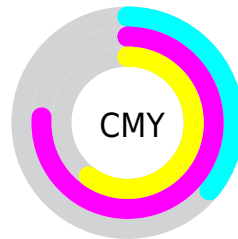
- Red (64%)
- Green (24%)
- Blue (40%)



- Red (64%)
- Yellow (24%)
- Blue (40%)



- Cyan (0%)
- Magenta (62%)
- Yellow (37%)
- Black (36%)



- Cyan (36%)
- Magenta (76%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9673, 11.9782, 13.8827 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 18.9673, 11.9782, 13.8827 by changing the saturation by 10% instead.

■ 18.9673, 11.9782,
13.8827

■ 18.9673, 11.9782,
13.8827

239.2098,
204.2609, 227.9029

■ 11.7505, 6.7288,
7.9013

■ 41.1961, 29.4554,
33.5949

■ 6.6450, 3.2931,
3.9450

■ 56.9389, 42.4520,
48.1627

■ 3.2855, 1.2866,
1.5952

■ 76.2544, 58.7998,
66.4298

■ 1.3065, 0.1308,
0.2874

■ 99.5079, 78.8833,
88.8147

■ 0.1880, 0.0000,
0.0000

■ 127.0649,
103.0867, 115.7359

■ 0.0000, 0.0000,
0.0000

159.2906,

131.7945, 147.6120

196.5504,
165.3911, 184.8615

■ 18.9673, 11.9782,
13.8827

■ 18.9673, 11.9782,
13.8827

■ 17.7795, 10.3227,
11.2670

■ 20.4724, 14.1795,
16.8778

■ 16.8818, 9.1616,
9.0121

■ 22.3168, 16.9681,
20.2683

■ 16.2436, 8.4370,
7.0979

■ 24.5219, 20.3837,
24.0697

■ 15.8765, 8.0719,
5.8380

■ 27.1068, 24.4617,
28.2966

■ 30.0890, 29.2351,
32.9627

■ 33.4853, 34.7346,
38.0809

■ 37.3111, 40.9891,
43.6638

■ 41.5814, 48.0258,
49.7233

■ 46.3101, 55.8707,
56.2708

Harmonies

Analogous

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



17.6065, 11.9782, 25.4767



18.9673, 11.9782, 13.8827



17.9937, 11.9782, 6.3422

Triad

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



18.9673, 11.9782, 13.8827



8.7087, 11.9782, 2.6504



8.2990, 11.9782, 35.1054

Complementary

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



18.9673, 11.9782, 13.8827



18.2967, 28.2135, 22.5724

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.



6.6321, 11.9782, 23.3134



18.9673, 11.9782, 13.8827



6.8346, 11.9782, 5.5009

Square

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



18.9673, 11.9782, 13.8827



11.6747, 11.9782, 2.0119



6.1524, 11.9782, 12.2364



11.0999, 11.9782, 40.8972

Rectangle

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



18.9673, 11.9782, 13.8827



16.2390, 11.9782, 3.7210



6.1524, 11.9782, 12.2364



7.6096, 11.9782, 31.4992

Sweetspot

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



18.9676, 11.9788, 13.8829



50.7473, 46.8566, 53.8107



15.9252, 9.9341, 35.2605



11.0803, 10.0181, 11.5820



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.9676, 11.9788, 13.8829



31.5509, 17.7758, 18.7045



17.8969, 12.3267, 5.8518



7.1874, 7.1314, 7.9731



12.5282, 6.3673, 4.7062



0.2864, 0.1430, 0.2206

Inverse Universe

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



18.9676, 11.9788, 13.8829



31.5509, 17.7758, 18.7045



19.9334, 26.5750, 38.2612



7.1874, 7.1314, 7.9731



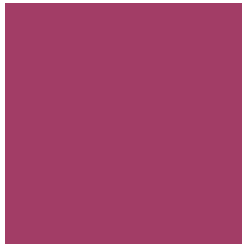
12.5282, 6.3673, 4.7062



0.2864, 0.1430, 0.2206

Previews

White Background



This preview shows how the XYZ color 18.9673, 11.9782, 13.8827 looks on a white background.

Color Contrast Check

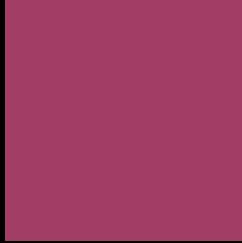
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9673, 11.9782, 13.8827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

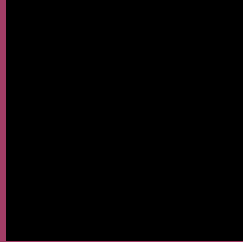
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9673, 11.9782, 13.8827

Background



This preview shows how black text looks on a background with the XYZ color 18.9673, 11.9782, 13.8827.



This preview shows how white text looks on a background with the XYZ color 18.9673, 11.9782,

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

18.9673, 11.9782, 13.8827

Protanopia

12.2907, 12.2542, 21.1195

Deuteranopia

12.4342, 12.2356, 13.0156



Tritanopia

17.6741, 11.9558, 7.5071

Trichromacy



Original Color

18.9673, 11.9782, 13.8827

Protanomaly

13.7173, 11.4069, 18.3084

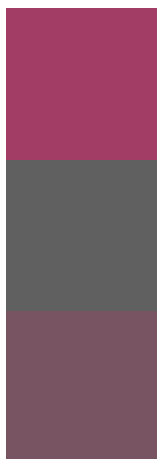
Deuteranomaly

14.2475, 11.6766, 13.3073

Tritanomaly

18.1496, 11.9822, 9.5398

Monochromacy



Original Color

18.9673, 11.9782, 13.8827

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.0436, 11.0614, 13.0029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9673, 11.9782, 13.8827 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(162, 61, 102)` looks like.

```
.text, #text, p{  
    color:rgb(162, 61, 102)  
}
```

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(162, 61, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 61, 102) }
```

Border

The CSS property to change the border of an element to XYZ 18.9673, 11.9782, 13.8827 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(162, 61, 102) }
```


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

```
.border{ border-color:rgb(162, 61, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 61, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 61, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 61, 102);  
box-shadow:4px 4px 4px 4px rgb(162, 61,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9673, 11.9782, 13.8827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 61, 102) }
```

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

```
.background{ background-color: rgb(162, 61,  
102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor