

Converting Colors

XYZ(18.6827, 13.2816, 17.1361)

Have a look what the booklet for
XYZ(18.6827, 13.2816, 17.1361)
contains.

XYZ(18.6539, 13.3164, 17.2099)	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(18.6539, 13.3164,
17.2099)**

Conversions

Conversions Part 1

Format	Color
Hex	984E71
RGB	152, 78, 113
RGB Percent	60%, 31%, 44%
CMY	0.4039, 0.6941, 0.5569
CMYK	0.00, 0.49, 0.26, 0.40
HSL	332°, 32%, 45%
HSV	332°, 49%, 60%
XYZ	18.6539, 13.3164, 17.2099
YIQ	104.1160, 32.8690, 26.5730

Conversions

Conversions Part 2

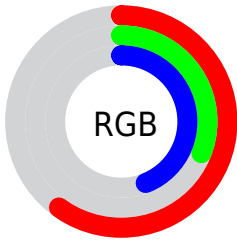
Format	Color
R_{YB}	152, 78, 113
Decimal	9981553
CIE Lab	43.24, 35.24, -6.00
CIE LCh	43, 35.747, 350.330
Yxy	13.3164, 0.3793, 0.2708
Android (android.graphics.Color)	4288171633 (0xFF984E71)
YUV	104.1160, 4.3798, 41.9943
Hunter-Lab	36.4916, 27.3858, -2.4177

Details

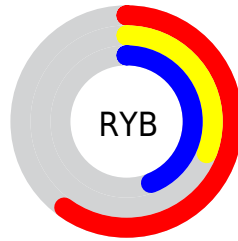
The XYZ color **18.6539, 13.3164, 17.2099** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.5816, 25.3609, 20.7993**, and the grayscale version is **13.1720, 13.8580, 15.0913**.

A 20% lighter version of the original color is **40.6542, 31.8270, 39.5978**, and **6.5391, 3.9130, 5.4117** is the 20% darker color. If you saturate the color by 10%, you get **17.2649, 11.2285, 14.6190**, and if you desaturate by 10%, it is **20.3331, 15.9208, 20.0942**.

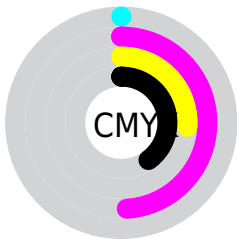
Distribution



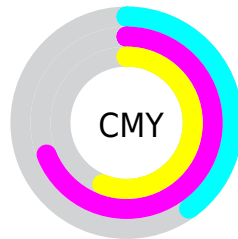
- Red (60%)
- Green (31%)
- Blue (44%)



- Red (60%)
- Yellow (31%)
- Blue (44%)



- Cyan (0%)
- Magenta (49%)
- Yellow (26%)
- Black (40%)



- Cyan (40%)
- Magenta (69%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6539, 13.3164, 17.2099 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 18.6539, 13.3164, 17.2099 by changing the saturation by 10% instead.

■ 18.6539, 13.3164,
17.2099

■ 18.6539, 13.3164,
17.2099

237.5063,
212.9356, 248.4639

■ 11.5230, 7.6468,
10.2207

■ 40.6699, 31.8711,
39.4819

■ 6.4896, 3.8698,
5.4380

■ 56.2856, 45.5249,
55.6018

■ 3.1885, 1.6010,
2.4433

■ 75.4603, 62.6089,
75.6024

■ 1.2542, 0.3583,
0.8099

■ 98.5594, 83.5075,
99.9021

■ 0.1485, 0.0000,
0.0000

■ 125.9482,
108.6051, 128.9196

■ 0.0000, 0.0000,
0.0000

157.9921,

138.2860, 163.0733

195.0563,
172.9347, 202.7819

■ 18.6539, 13.3164,
17.2099

■ 18.6539, 13.3164,
17.2099

■ 17.2649, 11.2285,
14.6190

■ 20.3331, 15.9208,
20.0942

■ 16.1464, 9.6197,
12.3097

■ 22.3182, 19.0716,
23.2817

■ 15.2782, 8.4511,
10.2698

■ 24.6249, 22.7988,
26.7825

■ 14.6361, 7.6761,
8.4861

■ 27.2676, 27.1297,
30.6058

■ 14.1715, 7.1992,
6.9363

■ 30.2597, 32.0898,
34.7605

■ 14.1150, 7.1418,
6.7463

■ 33.6139, 37.7030,
39.2553

■ 37.3424, 43.9922,
44.0981

■ 41.4565, 50.9789,
49.2970

■ 45.9673, 58.6838,
54.8594

Harmonies

Analogous

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



17.2056, 13.3164, 26.5515



18.6539, 13.3164, 17.2099



18.3248, 13.3164, 9.8269

Triad

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



18.6539, 13.3164, 17.2099



10.8983, 13.3164, 4.3959



9.5575, 13.3164, 29.6592

Complementary

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



18.6539, 13.3164, 17.2099



17.5816, 25.3609, 20.7993

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.



8.2977, 13.3164, 20.4581



18.6539, 13.3164, 17.2099



8.9900, 13.3164, 6.7902

Square

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



18.6539, 13.3164, 17.2099



13.5709, 13.3164, 4.0737



8.1063, 13.3164, 12.0894



11.7847, 13.3164, 35.2818

Rectangle

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



18.6539, 13.3164, 17.2099



17.1573, 13.3164, 6.7095



8.1063, 13.3164, 12.0894



9.0214, 13.3164, 26.7532

Sweetspot

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



18.6543, 13.3171, 17.2102



44.9788, 42.7117, 49.4966



15.6260, 11.4455, 31.0915



10.0244, 9.3833, 10.9591



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.6543, 13.3171, 17.2102



30.3760, 19.6749, 25.6115



17.1374, 12.8518, 8.7859



6.3243, 6.2689, 7.0879



11.8506, 5.9945, 5.7380



0.1954, 0.0969, 0.1816

Inverse Universe

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



18.6543, 13.3171, 17.2102



30.3760, 19.6749, 25.6115



19.8389, 25.9452, 33.6682



6.3243, 6.2689, 7.0879



11.8506, 5.9945, 5.7380



0.1954, 0.0969, 0.1816

Previews

White Background



This preview shows how the XYZ color 18.6539, 13.3164, 17.2099 looks on a white background.

Color Contrast Check

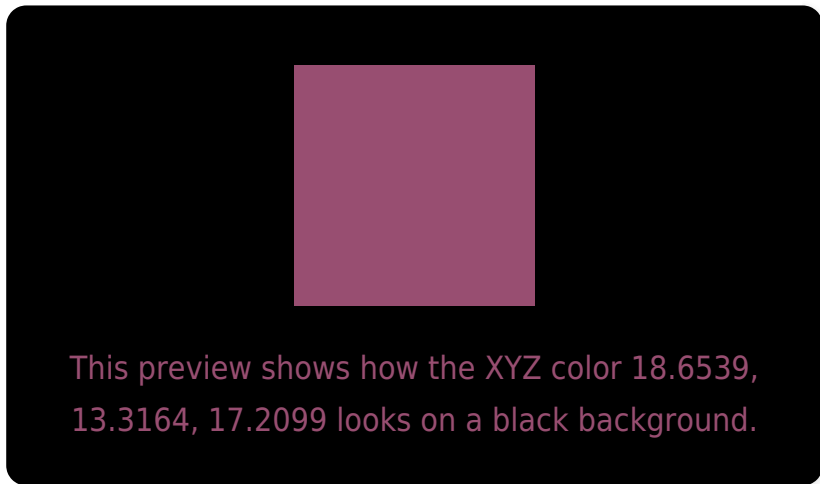
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

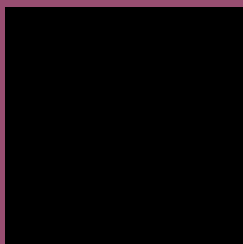
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6539, 13.3164, 17.2099

Background



This preview shows how black text looks on a background with the XYZ color 18.6539, 13.3164, 17.2099.



This preview shows how white text looks on a background with the XYZ color 18.6539, 13.3164,

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

18.6539, 13.3164, 17.2099

Protanopia

13.5377, 13.5745, 22.6755

Deuteranopia

13.7479, 13.5335, 16.3556



Tritanopia

17.4741, 13.3918, 11.1151

Trichromacy



Original Color

18.6539, 13.3164, 17.2099

Protanomaly

14.6920, 12.9718, 20.4683

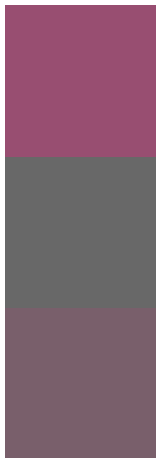
Deuteranomaly

15.0991, 13.1401, 16.4923

Tritanomaly

17.9095, 13.3460, 13.1874

Monochromacy



Original Color

18.6539, 13.3164, 17.2099

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.6312, 13.3109, 15.7080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6539, 13.3164, 17.2099 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(152, 78, 113)` looks like.

```
.text, #text, p{  
    color:rgb(152, 78, 113)  
}
```

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(152, 78, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 78, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.6539, 13.3164, 17.2099 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(152, 78, 113) }
```


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

```
.border{ border-color:rgb(152, 78, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 78, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 78, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 78, 113);  
box-shadow:4px 4px 4px 4px rgb(152, 78,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6539, 13.3164, 17.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 78, 113) }
```

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

```
.background{ background-color: rgb(152, 78,  
113) }
```

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