

Converting Colors

XYZ(19.5141, 13.0687, 15.4009)

Have a look what the booklet for
XYZ(19.5141, 13.0687, 15.4009)
contains.

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Color

**XYZ(19.6050, 13.1451,
15.4139)**

Conversions

Conversions Part 1

Format	Color
Hex	A1476B
RGB	161, 71, 107
RGB Percent	63%, 28%, 42%
CMY	0.3686, 0.7215, 0.5804
CMYK	0.00, 0.56, 0.34, 0.37
HSL	336°, 39%, 45%
HSV	336°, 56%, 63%
XYZ	19.6050, 13.1451, 15.4139
YIQ	102.0140, 42.0840, 30.2760

Conversions

Conversions Part 2

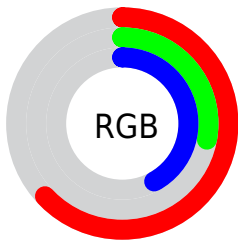
Format	Color
RYB	161, 71, 107
Decimal	10569579
CIELab	42.98, 41.20, -2.54
CIELCh	43, 41.274, 356.467
Yxy	13.1451, 0.4070, 0.2729
Android (android.graphics.Color)	4288759659 (0xFFA1476B)
YUV	102.0140, 2.4581, 51.7307
Hunter-Lab	36.2562, 33.0730, 0.1728

Details

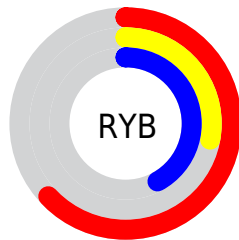
The XYZ color **19.6050, 13.1451, 15.4139** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.0458, 28.3103, 23.8642**, and the grayscale version is **12.6195, 13.2767, 14.4584**.

A 20% lighter version of the original color is **42.1680, 31.5400, 36.2131**, and **6.9599, 3.7913, 4.6399** is the 20% darker color. If you saturate the color by 10%, you get **18.2332, 11.1699, 12.5876**, and if you desaturate by 10%, it is **21.3056, 15.6869, 18.6303**.

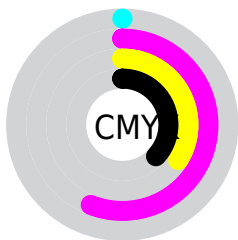
Distribution



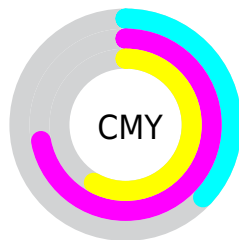
- Red (63%)
- Green (28%)
- Blue (42%)



- Red (63%)
- Yellow (28%)
- Blue (42%)



- Cyan (0%)
- Magenta (56%)
- Yellow (34%)
- Black (37%)



- Cyan (37%)
- Magenta (72%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6050, 13.1451, 15.4139 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 19.6050, 13.1451, 15.4139 by changing the saturation by 10% instead.

■ 19.6050, 13.1451,
15.4139

■ 19.6050, 13.1451,
15.4139

242.6432,
211.8455, 237.5844

■ 12.2148, 7.5285,
8.9605

■ 42.2630, 31.5642,
36.3302

■ 6.9634, 3.7948,
4.6190

■ 58.2615, 45.1356,
51.6302

■ 3.4854, 1.5594,
1.9707

■ 77.8601, 62.1273,
70.7162

■ 1.4153, 0.3300,
0.5372

■ 101.4243, 82.9238,
94.0066

■ 0.2671, 0.0000,
0.0000

■ 129.3193,
107.9095, 121.9202

■ 0.0000, 0.0000,
0.0000

161.9106,

137.4687, 154.8753

199.5634,
171.9859, 193.2905

■ 19.6050, 13.1451,
15.4139

■ 19.6050, 13.1451,
15.4139

■ 18.2332, 11.1699,
12.5876

■ 21.3056, 15.6869,
18.6303

■ 17.1653, 9.7146,
10.1335

■ 23.3553, 18.8331,
22.2518

■ 16.3743, 8.7285,
8.0331

■ 25.7738, 22.6206,
26.2936

■ 15.8240, 8.1422,
6.2640

■ 28.5791, 27.0826,
30.7697

■ 15.6346, 7.9517,
5.6205

■ 31.7879, 32.2500,
35.6934

■ 35.4160, 38.1521,
41.0773

■ 39.4782, 44.8161,
46.9337

■ 43.9887, 52.2681,
53.2741

■ 48.9609, 60.5328,
60.1099

Harmonies

Analogous

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



18.2838, 13.1451, 26.2601



19.6050, 13.1451, 15.4139



18.7715, 13.1451, 7.8660

Triad

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



19.6050, 13.1451, 15.4139



9.9735, 13.1451, 3.6936



9.4249, 13.1451, 34.3089

Complementary

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



19.6050, 13.1451, 15.4139



19.0458, 28.3103, 23.8642

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.



7.7999, 13.1451, 23.5696



19.6050, 13.1451, 15.4139



8.0771, 13.1451, 6.6827

Square

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



19.6050, 13.1451, 15.4139



12.8728, 13.1451, 3.0133



7.3514, 13.1451, 13.2654



12.1227, 13.1451, 39.7053

Rectangle

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



19.6050, 13.1451, 15.4139



17.1715, 13.1451, 5.0313



7.3514, 13.1451, 13.2654



8.7539, 13.1451, 31.0297

Sweetspot

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



19.6054, 13.1458, 15.4141



50.4250, 47.2905, 53.9178



17.1443, 11.4405, 35.0228



10.8473, 10.0337, 11.4910



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.6054, 13.1458, 15.4141



32.1552, 19.3081, 21.4467



18.7044, 13.7701, 7.6342



7.1857, 7.1307, 7.9641



12.5060, 6.3585, 4.5893



0.2858, 0.1428, 0.2175

Inverse Universe

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



19.6054, 13.1458, 15.4141



32.1552, 19.3081, 21.4467



20.2602, 26.3696, 37.7402



7.1857, 7.1307, 7.9641



12.5060, 6.3585, 4.5893



0.2858, 0.1428, 0.2175

Previews

White Background



This preview shows how the XYZ color 19.6050, 13.1451, 15.4139 looks on a white background.

Color Contrast Check

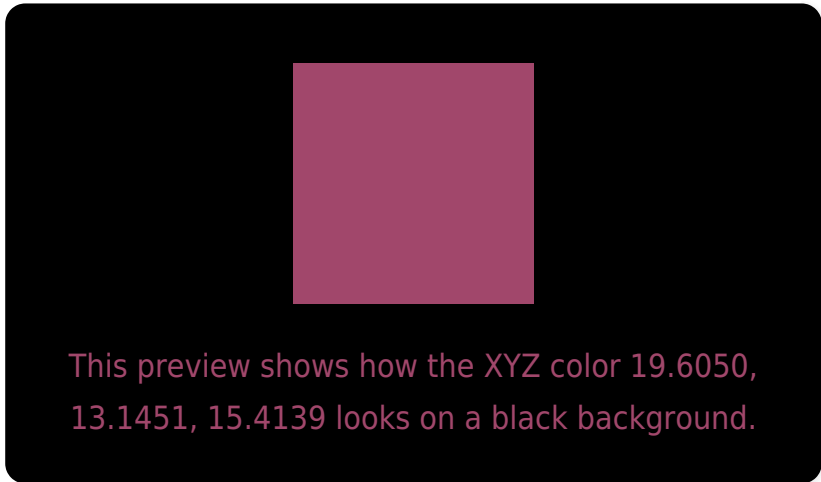
Large Text (above 18pt) WCAG AA ✓ Pass

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

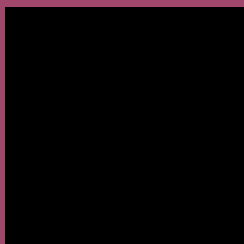
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6050, 13.1451, 15.4139

Background



This preview shows how black text looks on a background with the XYZ color 19.6050, 13.1451, 15.4139.



This preview shows how white text looks on a background with the XYZ color 19.6050, 13.1451,

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

19.6050, 13.1451, 15.4139

Protanopia

13.2434, 13.3005, 21.6079

Deuteranopia

13.5921, 13.3477, 14.6919



Tritanopia

18.3677, 13.1339, 9.3516

Trichromacy



Original Color

19.6050, 13.1451, 15.4139

Protanomaly

14.7317, 12.6373, 19.1156

Deuteranomaly

15.2770, 12.8901, 14.7795

Tritanomaly

18.7914, 13.1093, 11.2128

Monochromacy



Original Color

19.6050, 13.1451, 15.4139

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.4082, 12.6926, 14.7872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6050, 13.1451, 15.4139 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(161, 71, 107)` looks like.

```
.text, #text, p{  
    color:rgb(161, 71, 107)  
}
```

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(161, 71, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 71, 107) }
```

Border

The CSS property to change the border of an element to XYZ 19.6050, 13.1451, 15.4139 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(161, 71, 107) }
```


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

```
.border{ border-color:rgb(161, 71, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 71, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 71, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 71, 107); box-shadow:4px 4px 4px 4px rgb(161, 71, 107) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6050, 13.1451, 15.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 71, 107) }
```

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

```
.background{ background-color: rgb(161, 71,  
107) }
```

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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