

Converting Colors

XYZ(19.0944, 11.4883, 12.4591)

Have a look what the booklet for
XYZ(19.0944, 11.4883, 12.4591)
contains.

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Color

**XYZ(19.1567, 11.5163,
12.5225)**

Conversions

Conversions Part 1

Format	Color
Hex	A63561
RGB	166, 53, 97
RGB Percent	65%, 21%, 38%
CMY	0.3490, 0.7921, 0.6196
CMYK	0.00, 0.68, 0.42, 0.35
HSL	337°, 52%, 43%
HSV	337°, 68%, 65%
XYZ	19.1567, 11.5163, 12.5225
YIQ	91.8030, 53.2240, 37.6400

Conversions

Conversions Part 2

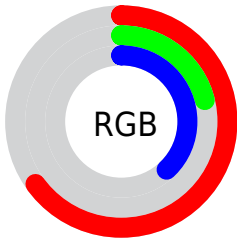
Format	Color
R_{YB}	166, 53, 97
Decimal	10892641
CIE _{Lab}	40.44, 49.89, 0.04
CIE _{LCh}	40, 49.893, 0.050
Yxy	11.5163, 0.4435, 0.2666
Android (android.graphics.Color)	4289082721 (0xFFA63561)
YUV	91.8030, 2.5621, 65.0708
Hunter-Lab	33.9357, 41.3759, 1.8765

Details

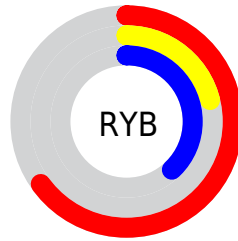
The XYZ color **19.1567, 11.5163, 12.5225** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.6181, 29.4348, 23.1147**, and the grayscale version is **10.1138, 10.6405, 11.5875**.

A 20% lighter version of the original color is **41.5755, 28.6295, 30.9385**, and **6.9042, 3.4902, 3.4418** is the 20% darker color. If you saturate the color by 10%, you get **18.0839, 10.0794, 9.9801**, and if you desaturate by 10%, it is **20.5526, 13.5027, 15.4709**.

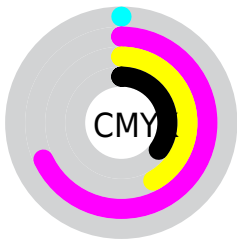
Distribution



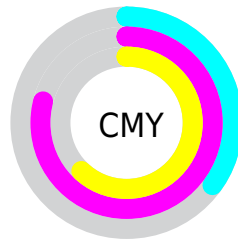
- Red (65%)
- Green (21%)
- Blue (38%)



- Red (65%)
- Yellow (21%)
- Blue (38%)



- Cyan (0%)
- Magenta (68%)
- Yellow (42%)
- Black (35%)





- Cyan (35%)
- Magenta (79%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1567, 11.5163, 12.5225 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 19.1567, 11.5163, 12.5225 by changing the saturation by 10% instead.


 19.1567, 11.5163,
12.5225


 19.1567, 11.5163,
12.5225


240.2340,
201.1762, 218.9336


 11.8882, 6.4152,
6.9737


 41.5135, 28.6110,
31.1217


 6.7393, 3.0992,
3.3675


 57.3326, 41.3735,
45.0093


 3.3445, 1.1837,
1.2852

 76.7327, 57.4585,
62.5135

 1.3384, 0.0484,
0.0496

 100.0789, 77.2505,
84.0529

 0.2117, 0.0000,
0.0000

 127.7369,
101.1339, 110.0461

 0.0000, 0.0000,
0.0000

 160.0718,

129.4930, 140.9116

197.4491,
162.7124, 177.0679

■ 19.1567, 11.5163,
12.5225

■ 19.1567, 11.5163,
12.5225

■ 18.0839, 10.0794,
9.9801

■ 20.5526, 13.5027,
15.4709

■ 17.3026, 9.1325,
7.8215

■ 22.2973, 16.0865,
18.8441

■ 16.7616, 8.5770,
6.0180

■ 24.4146, 19.3122,
22.6603

■ 16.6694, 8.4844,
5.7043

■ 26.9260, 23.2197,
26.9362

■ 29.8514, 27.8455,
31.6877

■ 33.2091, 33.2235,
36.9298

■ 37.0164, 39.3857,
42.6767

■ 41.2896, 46.3618,
48.9422

■ 46.0442, 54.1802,
55.7393

Harmonies

Analogous

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



17.8800, 11.5163, 24.8445



19.1567, 11.5163, 12.5225



17.8719, 11.5163, 5.1482

Triad

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



19.1567, 11.5163, 12.5225



7.9078, 11.5163, 2.1572



7.9160, 11.5163, 37.7768

Complementary

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



19.1567, 11.5163, 12.5225



18.6181, 29.4348, 23.1147

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.



6.0899, 11.5163, 24.8904



19.1567, 11.5163, 12.5225



6.0859, 11.5163, 5.1643

Square

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



19.1567, 11.5163, 12.5225



10.9400, 11.5163, 1.4505



5.4978, 11.5163, 12.5561



10.9518, 11.5163, 43.4085

Rectangle

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



19.1567, 11.5163, 12.5225



15.8651, 11.5163, 2.8033



5.4978, 11.5163, 12.5561



7.1658, 11.5163, 33.8999

Sweetspot

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



19.1570, 11.5169, 12.5227



52.8861, 48.4841, 55.4457



16.0139, 9.3507, 37.0373



11.5074, 10.3310, 11.8787



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.1570, 11.5169, 12.5227



31.9853, 17.2528, 15.8919



18.2194, 12.0655, 4.7376



7.6475, 7.5889, 8.4610



12.9478, 6.5879, 4.5369



0.3402, 0.1704, 0.2430

Inverse Universe

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



19.1570, 11.5169, 12.5227



31.9853, 17.2528, 15.8919



20.0231, 26.8535, 40.2043



7.6475, 7.5889, 8.4610



12.9478, 6.5879, 4.5369



0.3402, 0.1704, 0.2430

Previews

White Background



This preview shows how the XYZ color 19.1567, 11.5163, 12.5225 looks on a white background.

Color Contrast Check

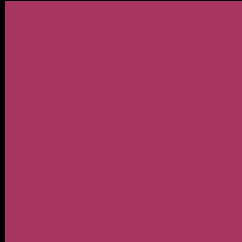
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1567, 11.5163, 12.5225 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 19.1567, 11.5163, 12.5225

Background



This preview shows how black text looks on a background with the XYZ color 19.1567, 11.5163, 12.5225.

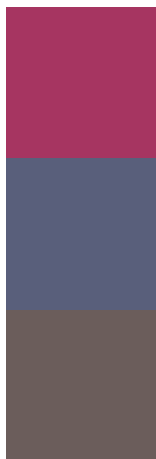


This preview shows how white text looks on a background with the XYZ color 19.1567, 11.5163,

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

19.1567, 11.5163, 12.5225

Protanopia

11.7872, 11.7383, 20.3834

Deuteranopia

11.8661, 11.7098, 11.5323



Tritanopia

17.9040, 11.6002, 6.1459

Trichromacy



Original Color

19.1567, 11.5163, 12.5225

Protanomaly

13.2420, 10.7341, 17.2936

Deuteranomaly

13.6023, 10.8283, 11.7291

Tritanomaly

18.3346, 11.5472, 8.1000

Monochromacy



Original Color

19.1567, 11.5163, 12.5225

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.3525, 10.1789, 11.9033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1567, 11.5163, 12.5225 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(166, 53, 97)` looks like.

```
.text, #text, p{  
    color:rgb(166, 53, 97)  
}
```

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(166, 53, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 53, 97) }
```

Border

The CSS property to change the border of an element to XYZ 19.1567, 11.5163, 12.5225 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(166, 53, 97) }
```


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

```
.border{ border-color:rgb(166, 53, 97) }
```

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

Here you see how a box with a 4 pixel rgb(166, 53, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 53, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 53, 97);  
box-shadow:4px 4px 4px 4px rgb(166, 53,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1567, 11.5163, 12.5225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 53, 97) }
```

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

```
.background{ background-color: rgb(166, 53,  
97) }
```

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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