

Converting Colors

XYZ(19.3387, 12.9798, 12.0182)

Have a look what the booklet for
XYZ(19.3387, 12.9798, 12.0182)
contains.

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Color

**XYZ(19.3148, 12.9750,
12.0761)**

Conversions

Conversions Part 1

Format	Color
Hex	A3465E
RGB	163, 70, 94
RGB Percent	64%, 27%, 37%
CMY	0.3608, 0.7255, 0.6314
CMYK	0.00, 0.57, 0.42, 0.36
HSL	345°, 40%, 46%
HSV	345°, 57%, 64%
XYZ	19.3148, 12.9750, 12.0761
YIQ	100.5430, 47.7240, 27.1800

Conversions

Conversions Part 2

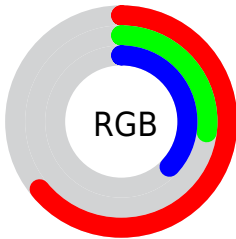
Format	Color
RYB	163, 70, 94
Decimal	10700382
CIELab	42.73, 40.83, 5.16
CIElCh	43, 41.157, 7.201
Yxy	12.9750, 0.4354, 0.2925
Android (android.graphics.Color)	4288890462 (0xFFA3465E)
YUV	100.5430, -3.2257, 54.7748
Hunter-Lab	36.0208, 32.6774, 5.3374

Details

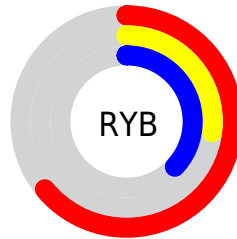
The XYZ color **19.3148, 12.9750, 12.0761** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.2839, 29.3609, 29.0261**, and the grayscale version is **12.2519, 12.8900, 14.0372**.

A 20% lighter version of the original color is **41.8124, 31.3048, 30.2242**, and **6.7822, 3.7098, 3.1549** is the 20% darker color. If you saturate the color by 10%, you get **17.9292, 11.0053, 9.1432**, and if you desaturate by 10%, it is **21.0629, 15.5336, 15.5496**.

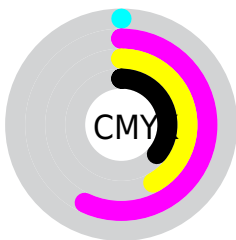
Distribution



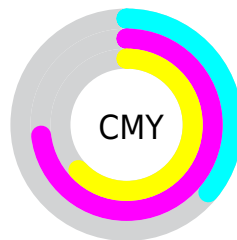
- Red (64%)
- Green (27%)
- Blue (37%)



- Red (64%)
- Yellow (27%)
- Blue (37%)



- Cyan (0%)
- Magenta (57%)
- Yellow (42%)
- Black (36%)



- Cyan (36%)
- Magenta (73%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3148, 12.9750, 12.0761 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 19.3148, 12.9750, 12.0761 by changing the saturation by 10% instead.

■ 19.3148, 12.9750,
12.0761

■ 19.3148, 12.9750,
12.0761

241.0861,
210.7574, 215.9042

■ 12.0033, 7.4113,
6.6724

■ 41.7781, 31.2589,
30.3001

■ 6.8182, 3.7207,
3.1827

■ 57.6607, 44.7478,
43.9574

■ 3.3940, 1.5186,
1.1887

■ 77.1310, 61.6474,
61.2030

■ 1.3654, 0.3017,
0.0000

■ 100.5544, 82.3419,
82.4555

■ 0.2313, 0.0000,
0.0000

■ 128.2963,
107.2158, 108.1333

■ 0.0000, 0.0000,
0.0000

160.7219,

136.6534, 138.6550

198.1967,
171.0391, 174.4391

■ 19.3148, 12.9750,
12.0761

■ 19.3148, 12.9750,
12.0761

■ 17.9292, 11.0053,
9.1432

■ 21.0629, 15.5336,
15.5496

■ 16.8781, 9.5749,
6.7219

■ 23.1966, 18.7212,
19.5894

■ 16.1309, 8.6294,
4.7809

■ 25.7381, 22.5770,
24.2201

■ 15.6422, 8.0851,
3.2822

■ 28.7078, 27.1362,
29.4646

■ 15.5232, 7.9541,
2.9131

■ 32.1244, 32.4316,
35.3448

■ 36.0059, 38.4940,
41.8813

■ 40.3689, 45.3522,
49.0937

■ 45.2294, 53.0339,
57.0010

■ 50.6026, 61.5650,
65.6211

Harmonies

Analogous

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



18.7506, 12.9750, 21.9099



19.3148, 12.9750, 12.0761



17.7710, 12.9750, 6.0616

Triad

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



19.3148, 12.9750, 12.0761



9.0411, 12.9750, 4.3687



10.1452, 12.9750, 36.7041

Complementary

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



19.3148, 12.9750, 12.0761



20.2839, 29.3609, 29.0261

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.



8.1347, 12.9750, 27.3135



19.3148, 12.9750, 12.0761



7.5766, 12.9750, 8.4482

Square

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



19.3148, 12.9750, 12.0761



11.5935, 12.9750, 3.0019



7.2753, 12.9750, 16.3991



13.1019, 12.9750, 39.0387

Rectangle

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



19.3148, 12.9750, 12.0761



15.8862, 12.9750, 4.0307



7.2753, 12.9750, 16.3991



9.3524, 12.9750, 34.1204

Sweetspot

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



19.3151, 12.9757, 12.0763



51.2632, 48.3671, 52.5071



19.3159, 12.4458, 36.0345



11.2750, 10.4955, 11.3760



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.



19.3151, 12.9757, 12.0763



31.6441, 19.0636, 15.3397



20.0115, 15.8319, 7.7964



7.1453, 7.1146, 7.7516



12.0807, 6.1884, 2.3498



0.2719, 0.1373, 0.1444

Inverse Universe

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



19.3151, 12.9757, 12.0763



31.6441, 19.0636, 15.3397



18.7064, 23.0853, 38.1203



7.1453, 7.1146, 7.7516



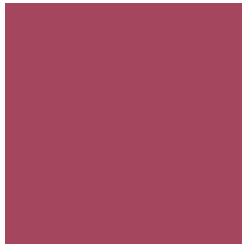
12.0807, 6.1884, 2.3498



0.2719, 0.1373, 0.1444

Previews

White Background



This preview shows how the XYZ color 19.3148, 12.9750, 12.0761 looks on a white background.

Color Contrast Check

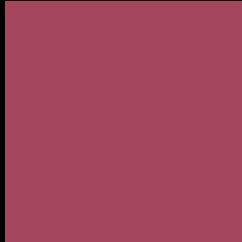
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3148, 12.9750, 12.0761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

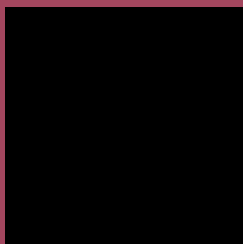
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.3148, 12.9750, 12.0761

Background



This preview shows how black text looks on a background with the XYZ color 19.3148, 12.9750, 12.0761.



This preview shows how white text looks on a background with the XYZ color 19.3148, 12.9750,

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

19.3148, 12.9750, 12.0761

Protanopia

12.7785, 13.1644, 16.9064

Deuteranopia

13.4156, 13.1866, 11.5110



Tritanopia

18.6580, 12.9965, 8.7329

Trichromacy



Original Color

19.3148, 12.9750, 12.0761

Protanomaly

14.3743, 12.5432, 15.0281

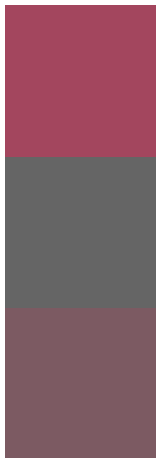
Deuteranomaly

15.0509, 12.7213, 11.5597

Tritanomaly

18.8179, 12.9562, 9.8965

Monochromacy



Original Color

19.3148, 12.9750, 12.0761

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.1729, 12.4793, 13.2170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3148, 12.9750, 12.0761 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(163, 70, 94)` looks like.

```
.text, #text, p{  
    color:rgb(163, 70, 94)  
}
```

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(163, 70, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 70, 94) }
```

Border

The CSS property to change the border of an element to XYZ 19.3148, 12.9750, 12.0761 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(163, 70, 94) }
```


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

```
.border{ border-color:rgb(163, 70, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 70, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 70, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 70, 94);  
box-shadow:4px 4px 4px 4px rgb(163, 70,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3148, 12.9750, 12.0761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 70, 94) }
```

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

```
.background{ background-color: rgb(163, 70,  
94) }
```

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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