

Converting Colors

XYZ(19.4838, 9.7939, 12.1964)

Have a look what the booklet for
XYZ(19.4838, 9.7939, 12.1964)
contains.

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Color

**XYZ(19.3912, 9.7473,
12.1686)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0061
RGB	173, 0, 97
RGB Percent	68%, 0%, 38%
CMY	0.3216, 0.9999, 0.6196
CMYK	0.00, 1.00, 0.44, 0.32
HSL	326°, 100%, 34%
HSV	326°, 100%, 68%
XYZ	19.3912, 9.7473, 12.1686
YIQ	62.7850, 71.9710, 66.8430

Conversions

Conversions Part 2

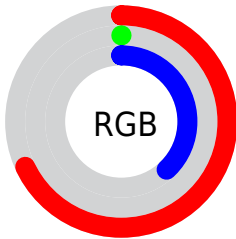
Format	Color
R_YB	173, 0, 97
Decimal	11337825
CIE Lab	37.39, 64.24, -4.29
CIE LCh	37, 64.382, 356.176
Yxy	9.7473, 0.4694, 0.2360
Android (android.graphics.Color)	4289527905 (0xFFAD0061)
YUV	62.7850, 16.8680, 96.6586
Hunter-Lab	31.2207, 56.2304, -1.2545

Details

The XYZ color **19.3912, 9.7473, 12.1686** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.2493, 30.4094, 11.8557**, and the grayscale version is **4.6639, 4.9068, 5.3435**.

A 20% lighter version of the original color is **41.8132, 25.3151, 30.2863**, and **7.5370, 3.8164, 3.4714** is the 20% darker color. If you saturate the color by 10%, you get **19.3906, 9.7470, 12.1656**, and if you desaturate by 10%, it is **19.9684, 10.3071, 14.1944**.

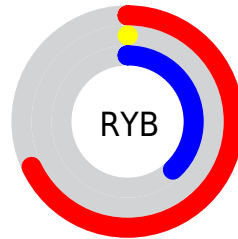
Distribution



Red (68%)

Green (0%)

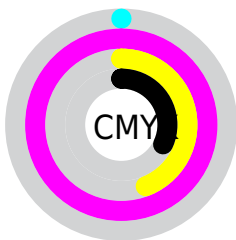
Blue (38%)



Red (68%)

Yellow (0%)

Blue (38%)

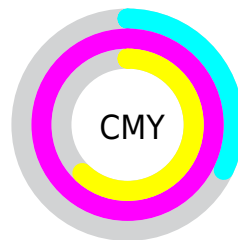


Cyan (0%)

Magenta (100%)

Yellow (44%)

Black (32%)



Cyan (32%)


Magenta (100%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3912, 9.7473, 12.1686 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 19.3912, 9.7473, 12.1686 by changing the saturation by 10% instead.


 19.3912, 9.7473,
12.1686


 19.3912, 9.7473,
12.1686


241.4968,
188.8589, 216.5357


 12.0590, 5.2317,
6.7347


 41.9059, 25.3191,
30.4708


 6.8563, 2.3839,
3.2208


 57.8190, 37.1441,
44.1761


 3.4179, 0.8176,
1.2085

 77.3232, 52.1744,
61.4757

 1.3784, 0.0000,
0.0000

 100.7838, 70.7944,
82.7880

 0.2408, 0.0000,
0.0000

 128.5661, 93.3884,
108.5316

 0.0000, 0.0000,
0.0000

 161.0354,

120.3409, 139.1251

198.5572,
152.0363, 174.9869

■ 19.3912, 9.7473,
12.1686

■ 19.3912, 9.7473,
12.1686

■ 19.3906, 9.7470,
12.1656

■ 19.9684, 10.3071,
14.1944

■ 20.7596, 11.2388,
16.4636

■ 21.8365, 12.6850,
19.0044

■ 23.2329, 14.7114,
21.8323

■ 24.9772, 17.3738,
24.9609

■ 27.0947, 20.7215,
28.4024

■ 29.6082, 24.7987,
32.1683

■ 32.5386, 29.6462,
36.2692

■ 35.9053, 35.3014,
40.7151

Harmonies

Analogous

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



17.3427, 9.7473, 28.4631



19.3912, 9.7473, 12.1686



18.1423, 9.7473, 3.5083

Triad

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



19.3912, 9.7473, 12.1686



6.2401, 9.7473, 0.4669



5.5751, 9.7473, 41.9485

Complementary

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



19.3912, 9.7473, 12.1686



16.2493, 30.4094, 11.8557

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.



3.8914, 9.7473, 23.7810



19.3912, 9.7473, 12.1686



4.1895, 9.7473, 2.4167

Square

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



19.3912, 9.7473, 12.1686



9.7928, 9.7473, 0.0153



3.4700, 9.7473, 9.1962



8.7556, 9.7473, 51.9511

Rectangle

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



19.3912, 9.7473, 12.1686



15.7598, 9.7473, 1.2899



3.4700, 9.7473, 9.1962



4.8557, 9.7473, 36.1539

Sweetspot

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



19.3915, 9.7479, 12.1688



52.7652, 43.9844, 57.2326



10.4434, 4.5129, 39.8556



11.0533, 8.8841, 11.8287



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.3915, 9.7479, 12.1688



34.6179, 17.4126, 21.2088



17.2975, 8.9103, 1.1420



8.1862, 8.0877, 9.2911



14.2745, 7.1723, 9.0908



0.4240, 0.2103, 0.3945

Inverse Universe

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



19.3915, 9.7479, 12.1688



34.6179, 17.4126, 21.2088



21.4182, 32.4769, 39.0749



8.1862, 8.0877, 9.2911



14.2745, 7.1723, 9.0908



0.4240, 0.2103, 0.3945

Previews

White Background



This preview shows how the XYZ color 19.3912, 9.7473, 12.1686 looks on a white background.

Color Contrast Check

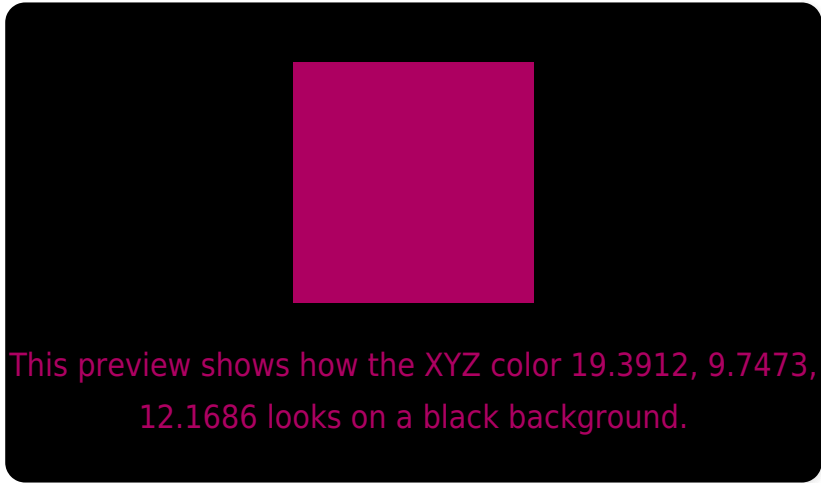
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.3912, 9.7473, 12.1686

Background



This preview shows how black text looks on a background with the XYZ color 19.3912, 9.7473, 12.1686.



This preview shows how white text looks on a background with the XYZ color 19.3912, 9.7473,

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

19.3912, 9.7473, 12.1686

Protanopia

11.0537, 10.4547, 26.2463

Deuteranopia

10.5907, 10.4270, 11.1273



Tritanopia

17.6369, 10.0788, 2.9353

Trichromacy



Original Color

19.3912, 9.7473, 12.1686

Protanomaly

11.4079, 7.6327, 19.9408

Deuteranomaly

12.1424, 8.1307, 11.2853

Tritanomaly

17.9368, 9.6374, 5.1898

Monochromacy



Original Color

19.3912, 9.7473, 12.1686

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.6223, 4.9091, 7.2024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3912, 9.7473, 12.1686 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(173, 0, 97)` looks like.

```
.text, #text, p{  
  color:rgb(173, 0, 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(173, 0, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 97) }
```

Border

The CSS property to change the border of an element to XYZ 19.3912, 9.7473, 12.1686 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(173, 0, 97) }
```


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

```
.border{ border-color:rgb(173, 0, 97) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3912, 9.7473, 12.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 97) }
```

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

```
.background{ background-color: rgb(173, 0,  
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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