

Converting Colors

XYZ(15.3562, 10.0214, 12.5007)

Have a look what the booklet for
XYZ(15.3562, 10.0214, 12.5007)
contains.

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Color

**XYZ(15.3987, 10.0107,
12.4299)**

Conversions

Conversions Part 1

Format	Color
Hex	913B61
RGB	145, 59, 97
RGB Percent	57%, 23%, 38%
CMY	0.4314, 0.7686, 0.6196
CMYK	0.00, 0.59, 0.33, 0.43
HSL	333°, 42%, 40%
HSV	333°, 59%, 57%
XYZ	15.3987, 10.0107, 12.4299
YIQ	89.0460, 39.0580, 30.0500

Conversions

Conversions Part 2

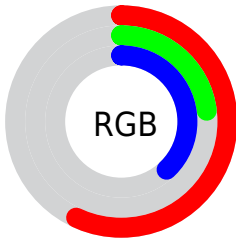
Format	Color
R_{YB}	145, 59, 97
Decimal	9517921
CIE Lab	37.86, 40.41, -4.16
CIE LCh	38, 40.625, 354.128
Yxy	10.0107, 0.4069, 0.2646
Android (android.graphics.Color)	4287708001 (0xFF913B61)
YUV	89.0460, 3.9213, 49.0717
Hunter-Lab	31.6397, 31.5046, -1.1448

Details

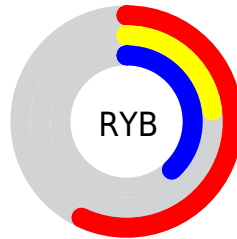
The XYZ color **15.3987, 10.0107, 12.4299** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **14.5834, 22.2425, 17.4357**, and the grayscale version is **9.4915, 9.9858, 10.8746**.

A 20% lighter version of the original color is **35.0086, 25.7075, 31.1339**, and **4.9228, 2.4849, 3.3521** is the 20% darker color. If you saturate the color by 10%, you get **14.3960, 8.5786, 10.3278**, and if you desaturate by 10%, it is **16.6476, 11.8732, 14.8042**.

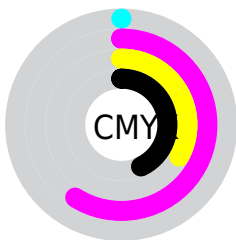
Distribution



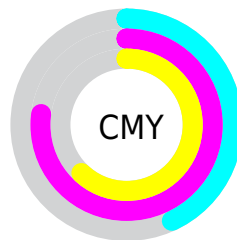
- Red (57%)
- Green (23%)
- Blue (38%)



- Red (57%)
- Yellow (23%)
- Blue (38%)



- Cyan (0%)
- Magenta (59%)
- Yellow (33%)
- Black (43%)





- Cyan (43%)
- Magenta (77%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3987, 10.0107, 12.4299 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 15.3987, 10.0107, 12.4299 by changing the saturation by 10% instead.


 15.3987, 10.0107,
12.4299


 15.3987, 10.0107,
12.4299


219.1078,
190.7484, 218.3089


 9.1878, 5.4061,
6.9111


 35.1171, 25.8156,
30.9517


 4.9220, 2.4874,
3.3290


 49.3552, 37.7847,
44.7918


 2.2358, 0.8703,
1.2650

 66.9999, 52.9774,
62.2427

 0.7615, 0.0000,
0.0328

 88.4164, 71.7780,
83.7230

 0.0000, 0.0000,
0.0000

 113.9701, 94.5710,
109.6513

 144.0263,

121.7409, 140.4460

178.9504,
153.6719, 176.5257

■ 15.3987, 10.0107,
12.4299

■ 15.3987, 10.0107,
12.4299

■ 14.3960, 8.5786,
10.3278

■ 16.6476, 11.8732,
14.8042

■ 13.6197, 7.5398,
8.4855

■ 18.1584, 14.1964,
17.4612

■ 13.0485, 6.8532,
6.8898

■ 19.9466, 17.0093,
20.4113

■ 12.6314, 6.4189,
5.5177

■ 22.0263, 20.3383,
23.6642

■ 12.6044, 6.3907,
5.4296

■ 24.4103, 24.2078,
27.2291

■ 27.1109, 28.6406,
31.1146

■ 30.1395, 33.6583,
35.3292

■ 33.5071, 39.2812,
39.8809

■ 37.2241, 45.5287,
44.7774

Harmonies

Analogous

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



14.1635, 10.0107, 21.6148



15.3987, 10.0107, 12.4299



14.8402, 10.0107, 6.0357

Triad

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



15.3987, 10.0107, 12.4299



7.6156, 10.0107, 2.3632



6.8778, 10.0107, 27.0867

Complementary

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



15.3987, 10.0107, 12.4299



14.5834, 22.2425, 17.4357

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.



5.6456, 10.0107, 17.8557



15.3987, 10.0107, 12.4299



6.0141, 10.0107, 4.4827

Square

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



15.3987, 10.0107, 12.4299



10.0351, 10.0107, 1.9641



5.3609, 10.0107, 9.5010



9.0130, 10.0107, 32.2209

Rectangle

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



15.3987, 10.0107, 12.4299



13.5693, 10.0107, 3.6656



5.3609, 10.0107, 9.5010



6.3610, 10.0107, 24.2020

Sweetspot

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



15.3990, 10.0112, 12.4301



39.8203, 37.0272, 42.9503



12.6549, 8.2554, 27.7147



8.6260, 7.8625, 9.1989



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.3990, 10.0112, 12.4301



25.2976, 14.6997, 17.3993



14.2610, 9.9244, 5.3022



5.5017, 5.4612, 6.1398



10.8239, 5.4866, 4.7240



0.1143, 0.0568, 0.1020

Inverse Universe

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



15.3990, 10.0112, 12.4301



25.2976, 14.6997, 17.3993



16.3955, 21.9358, 30.1581



5.5017, 5.4612, 6.1398



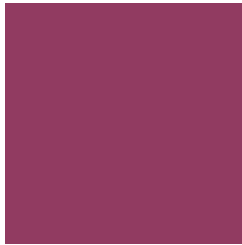
10.8239, 5.4866, 4.7240



0.1143, 0.0568, 0.1020

Previews

White Background



This preview shows how the XYZ color 15.3987, 10.0107, 12.4299 looks on a white background.

Color Contrast Check

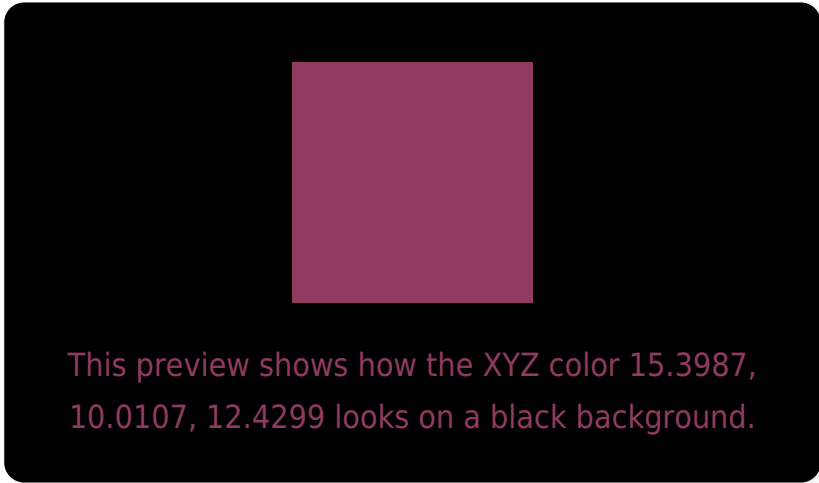
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3987, 10.0107, 12.4299

Background



This preview shows how black text looks on a background with the XYZ color 15.3987, 10.0107, 12.4299.

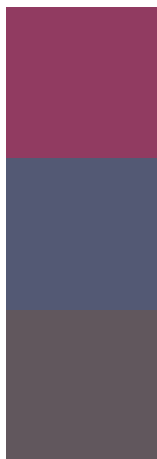


This preview shows how white text looks on a background with the XYZ color 15.3987, 10.0107,

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

15.3987, 10.0107, 12.4299

Protanopia

10.2920, 10.2447, 17.9580

Deuteranopia

10.3137, 10.1481, 11.7711



Tritanopia

14.2922, 10.0499, 6.8168

Trichromacy



Original Color

15.3987, 10.0107, 12.4299

Protanomaly

11.4286, 9.6171, 15.7219

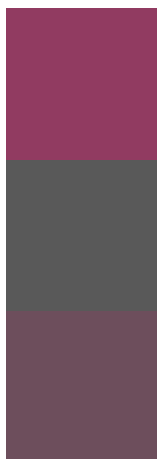
Deuteranomaly

11.6137, 9.6933, 11.8486

Tritanomaly

14.6904, 10.0488, 8.5625

Monochromacy



Original Color

15.3987, 10.0107, 12.4299

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.9628, 9.4727, 11.3758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3987, 10.0107, 12.4299 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(145, 59, 97)` looks like.

```
.text, #text, p{  
    color:rgb(145, 59, 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(145, 59, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 59, 97) }
```

Border

The CSS property to change the border of an element to XYZ 15.3987, 10.0107, 12.4299 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(145, 59, 97) }
```


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

```
.border{ border-color:rgb(145, 59, 97) }
```

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

Here you see how a box with a 4 pixel rgb(145, 59, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 59, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 59, 97);  
box-shadow:4px 4px 4px 4px rgb(145, 59,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3987, 10.0107, 12.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 59, 97) }
```

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

```
.background{ background-color: rgb(145, 59,  
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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