

Converting Colors

XYZ(15.6882, 9.4574, 6.4679)

Have a look what the booklet for
XYZ(15.6882, 9.4574, 6.4679)
contains.

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Color

**XYZ(15.7702, 9.5183,
6.4749)**

Conversions

Conversions Part 1

Format	Color
Hex	9C2F44
RGB	156, 47, 68
RGB Percent	61%, 18%, 27%
CMY	0.3882, 0.8157, 0.7333
CMYK	0.00, 0.70, 0.56, 0.39
HSL	348°, 54%, 40%
HSV	348°, 70%, 61%
XYZ	15.7702, 9.5183, 6.4749
YIQ	81.9850, 58.2230, 29.6390

Conversions

Conversions Part 2

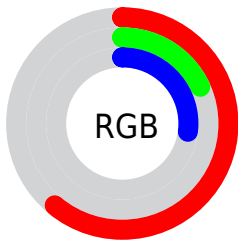
Format	Color
RYB	156, 47, 68
Decimal	10235716
CIELab	36.96, 46.46, 13.25
CIElCh	37, 48.311, 15.921
Yxy	9.5183, 0.4965, 0.2997
Android (android.graphics.Color)	4288425796 (0xFF9C2F44)
YUV	81.9850, -6.8946, 64.9112
Hunter-Lab	30.8517, 37.2516, 9.1529

Details

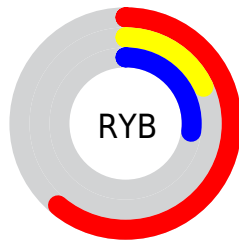
The XYZ color **15.7702, 9.5183, 6.4749** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.4346, 26.1308, 27.0488**, and the grayscale version is **8.0228, 8.4406, 9.1918**.

A 20% lighter version of the original color is **35.7339, 24.8224, 19.4308**, and **5.3320, 2.7272, 1.2227** is the 20% darker color. If you saturate the color by 10%, you get **14.9103, 8.3490, 4.4912**, and if you desaturate by 10%, it is **16.9361, 11.1676, 8.9683**.

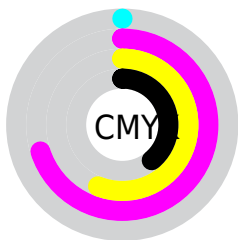
Distribution



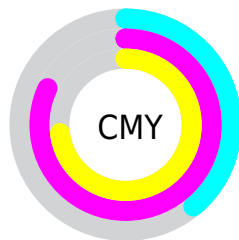
- Red (61%)
- Green (18%)
- Blue (27%)



- Red (61%)
- Yellow (18%)
- Blue (27%)



- Cyan (0%)
- Magenta (70%)
- Yellow (56%)
- Black (39%)




- Cyan (39%)
- Magenta (82%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7702, 9.5183, 6.4749 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 15.7702, 9.5183, 6.4749 by changing the saturation by 10% instead.


 15.7702, 9.5183,
6.4749

 15.7702, 9.5183,
6.4749


221.2790,
187.1987, 172.6882


 9.4515, 5.0808,
3.0625


 35.7595, 24.8854,
19.4033


 5.0963, 2.2947,
1.1266

 50.1608, 36.5838,
29.7565


 2.3392, 0.7709,
0.0000

 67.9870, 51.4713,
43.2603

 0.8146, 0.0000,
0.0000

 89.6034, 69.9323,
60.3333

 0.0000, 0.0000,
0.0000

 115.3755, 92.3511,
81.3940

 145.6686,

119.1122, 106.8611

180.8479,
150.5999, 137.1530

■ 15.7702, 9.5183,
6.4749

■ 15.7702, 9.5183,
6.4749

■ 14.9103, 8.3490,
4.4912

■ 16.9361, 11.1676,
8.9683

■ 14.3253, 7.6058,
2.9803

■ 18.4336, 13.3398,
12.0036

■ 13.9496, 7.1672,
1.8909

■ 20.2862, 16.0752,
15.6110

■ 13.9452, 7.1619,
1.8789

■ 22.5151, 19.4093,
19.8183

■ 25.1399, 23.3749,
24.6512

■ 28.1786, 28.0024,
30.1341

■ 31.6483, 33.3202,
36.2900

■ 35.5651, 39.3551,
43.1409

■ 39.9442, 46.1322,
50.7076

Harmonies

Analogous

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



15.8395, 9.5183, 14.9023



15.7702, 9.5183, 6.4749



13.6593, 9.5183, 2.4693

Triad

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



15.7702, 9.5183, 6.4749



5.5163, 9.5183, 2.6158



7.7204, 9.5183, 35.9061

Complementary

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



15.7702, 9.5183, 6.4749



17.4346, 26.1308, 27.0488

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.



5.6107, 9.5183, 27.2401



15.7702, 9.5183, 6.4749



4.5412, 9.5183, 6.8553

Square

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



15.7702, 9.5183, 6.4749



7.5611, 9.5183, 1.2286



4.5714, 9.5183, 15.5623



10.7156, 9.5183, 35.5937

Rectangle

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



15.7702, 9.5183, 6.4749



11.5983, 9.5183, 1.4321



4.5714, 9.5183, 15.5623



6.9000, 9.5183, 33.8027

Sweetspot

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



15.7704, 9.5188, 6.4751



44.8748, 41.2631, 43.3384



16.8811, 9.5188, 32.3999



9.5992, 8.6631, 9.0320



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.7704, 9.5188, 6.4751



26.4087, 14.2944, 6.4670



17.0706, 12.9674, 4.2933



6.6827, 6.6660, 7.1802



11.4968, 5.9033, 1.6013



0.2181, 0.1106, 0.0945

Inverse Universe

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



15.7704, 9.5188, 6.4751



26.4087, 14.2944, 6.4670



14.2938, 17.2457, 34.0277



6.6827, 6.6660, 7.1802



11.4968, 5.9033, 1.6013



0.2181, 0.1106, 0.0945

Previews

White Background



This preview shows how the XYZ color 15.7702, 9.5183, 6.4749 looks on a white background.

Color Contrast Check

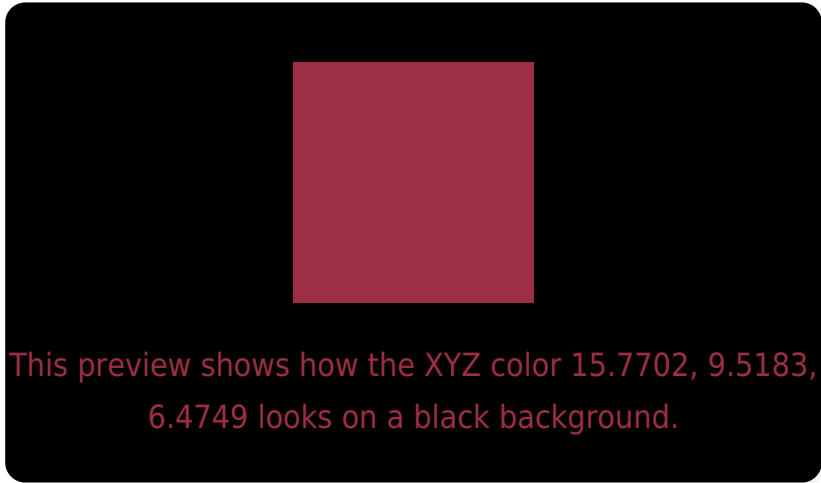
Large Text (above 18pt) WCAG AA ✓ Pass

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

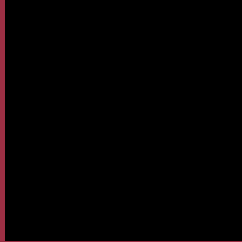
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7702, 9.5183, 6.4749

Background



This preview shows how black text looks on a background with the XYZ color 15.7702, 9.5183, 6.4749.



This preview shows how white text looks on a background with the XYZ color 15.7702, 9.5183,

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

15.7702, 9.5183, 6.4749

Protanopia

9.4676, 9.8577, 10.6362

Deuteranopia

9.8932, 9.7028, 6.0540



Tritanopia

15.3008, 9.5068, 4.3967

Trichromacy



Original Color

15.7702, 9.5183, 6.4749

Protanomaly

10.8072, 8.9366, 8.9399

Deuteranomaly

11.5196, 9.1732, 6.1645

Tritanomaly

15.3796, 9.4707, 5.0204

Monochromacy



Original Color

15.7702, 9.5183, 6.4749

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.7744, 8.0433, 8.0585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7702, 9.5183, 6.4749 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(156, 47, 68)` looks like.

```
.text, #text, p{  
    color:rgb(156, 47, 68)  
}
```

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(156, 47, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 47, 68) }
```

Border

The CSS property to change the border of an element to XYZ 15.7702, 9.5183, 6.4749 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(156, 47, 68) }
```


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

```
.border{ border-color:rgb(156, 47, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 47, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 47, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 47, 68);  
box-shadow:4px 4px 4px 4px rgb(156, 47,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7702, 9.5183, 6.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 47, 68) }
```

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

```
.background{ background-color: rgb(156, 47,  
68) }
```

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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