

Converting Colors

XYZ(18.4700, 10.9350, 11.8954)

Have a look what the booklet for
XYZ(18.4700, 10.9350, 11.8954)
contains.

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Color

**XYZ(18.4737, 10.9154,
11.9597)**

Conversions

Conversions Part 1

Format	Color
Hex	A4315F
RGB	164, 49, 95
RGB Percent	64%, 19%, 37%
CMY	0.3569, 0.8078, 0.6274
CMYK	0.00, 0.70, 0.42, 0.36
HSL	336°, 54%, 42%
HSV	336°, 70%, 64%
XYZ	18.4737, 10.9154, 11.9597
YIQ	88.6290, 53.7740, 38.6860

Conversions

Conversions Part 2

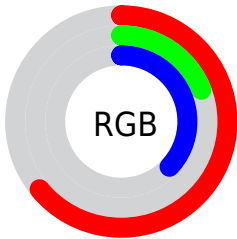
Format	Color
R_{YB}	164, 49, 95
Decimal	10760543
CIE _{Lab}	39.44, 50.67, -0.20
CIE _{LCh}	39, 50.674, 359.774
Yxy	10.9154, 0.4468, 0.2640
Android (android.graphics.Color)	4288950623 (0xFFA4315F)
YUV	88.6290, 3.1409, 66.1004
Hunter-Lab	33.0385, 41.9923, 1.6643

Details

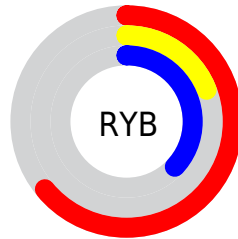
The XYZ color **18.4737, 10.9154, 11.9597** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.8128, 28.5121, 21.7063**, and the grayscale version is **9.3994, 9.8888, 10.7690**.

A 20% lighter version of the original color is **40.4926, 27.6329, 29.9876**, and **6.6178, 3.3476, 3.2031** is the 20% darker color. If you saturate the color by 10%, you get **17.4889, 9.6170, 9.5622**, and if you desaturate by 10%, it is **19.7652, 12.7367, 14.7385**.

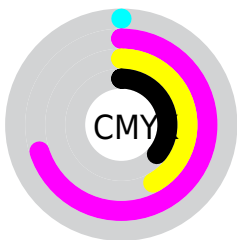
Distribution



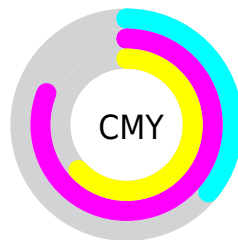
- Red (64%)
- Green (19%)
- Blue (37%)



- Red (64%)
- Yellow (19%)
- Blue (37%)



- Cyan (0%)
- Magenta (70%)
- Yellow (42%)
- Black (36%)



- Cyan (36%)
- Magenta (81%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4737, 10.9154, 11.9597 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 18.4737, 10.9154, 11.9597 by changing the saturation by 10% instead.

■ 18.4737, 10.9154,
11.9597

■ 18.4737, 10.9154,
11.9597

236.5220,
197.0862, 215.1067

■ 11.3924, 6.0100,
6.5940

■ 40.3666, 27.5036,
30.0850

■ 6.4006, 2.8511,
3.1350

■ 55.9090, 39.9552,
43.6817

■ 3.1331, 1.0545,
1.1640

■ 75.0023, 55.6910,
60.8591

■ 1.2246, 0.0000,
0.0000

■ 98.0120, 75.0953,
82.0359

■ 0.1256, 0.0000,
0.0000

■ 125.3035, 98.5526,
107.6305

■ 0.0000, 0.0000,
0.0000

■ 157.2421,

126.4473, 138.0615

194.1931,
159.1637, 173.7474

■ 18.4737, 10.9154,
11.9597

■ 18.4737, 10.9154,
11.9597

■ 17.4889, 9.6170,
9.5622

■ 19.7652, 12.7367,
14.7385

■ 16.7791, 8.7816,
7.5247

■ 21.3888, 15.1286,
17.9166

■ 16.2812, 8.2811,
5.8320

■ 23.3681, 18.1353,
21.5112

■ 25.7243, 21.7960,
25.5384

■ 28.4767, 26.1470,
30.0131

■ 31.6434, 31.2215,
34.9496

■ 35.2413, 37.0508,
40.3614

■ 39.2862, 43.6642,
46.2614

■ 43.7933, 51.0895,
52.6621

Harmonies

Analogous

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



17.1866, 10.9154, 24.1666



18.4737, 10.9154, 11.9597



17.2231, 10.9154, 4.7526

Triad

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



18.4737, 10.9154, 11.9597



7.4302, 10.9154, 1.8696



7.3942, 10.9154, 36.8424

Complementary

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



18.4737, 10.9154, 11.9597



17.8128, 28.5121, 21.7063

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.



5.6356, 10.9154, 23.9600



18.4737, 10.9154, 11.9597



5.6529, 10.9154, 4.6828

Square

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



18.4737, 10.9154, 11.9597



10.4008, 10.9154, 1.2327



5.0752, 10.9154, 11.8106



10.3488, 10.9154, 42.5803

Rectangle

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



18.4737, 10.9154, 11.9597



15.2477, 10.9154, 2.5063



5.0752, 10.9154, 11.8106



6.6693, 10.9154, 32.9477

Sweetspot

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



18.4740, 10.9160, 11.9599



51.0106, 46.3802, 53.3949



15.2711, 8.7294, 36.0019



10.8577, 9.6730, 11.2000



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.



18.4740, 10.9160, 11.9599



30.9836, 16.5315, 15.2582



17.5069, 11.3994, 4.1842



7.1857, 7.1307, 7.9641



12.5060, 6.3585, 4.5891



0.2858, 0.1428, 0.2175

Inverse Universe

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



18.4740, 10.9160, 11.9599



30.9836, 16.5315, 15.2582



19.2775, 25.9528, 39.1152



7.1857, 7.1307, 7.9641



12.5060, 6.3585, 4.5891



0.2858, 0.1428, 0.2175

Previews

White Background



This preview shows how the XYZ color 18.4737, 10.9154, 11.9597 looks on a white background.

Color Contrast Check

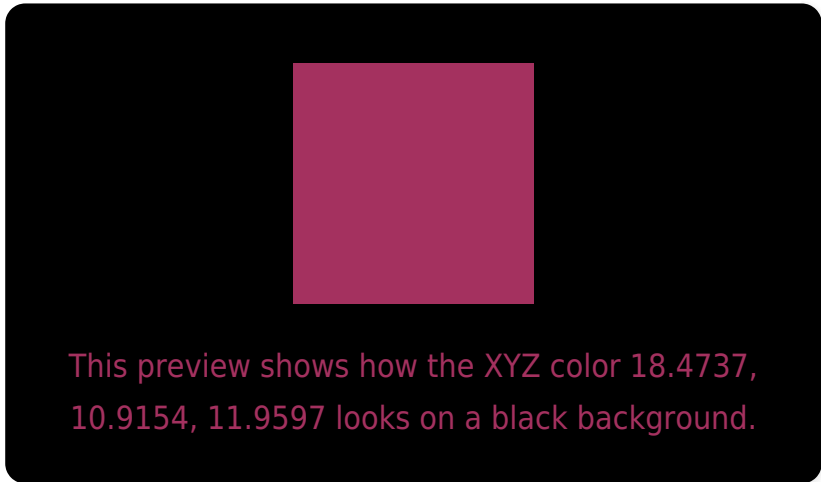
Large Text (above 18pt) WCAG AA ✓ Pass

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

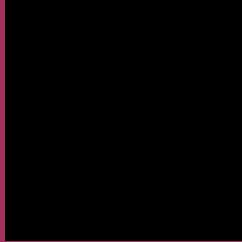
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4737, 10.9154, 11.9597

Background



This preview shows how black text looks on a background with the XYZ color 18.4737, 10.9154, 11.9597.



This preview shows how white text looks on a background with the XYZ color 18.4737, 10.9154,

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

18.4737, 10.9154, 11.9597

Protanopia

11.2650, 11.2123, 19.9828

Deuteranopia

11.3700, 11.2067, 11.0150



Tritanopia

17.2057, 10.9446, 5.6205

Trichromacy



Original Color

18.4737, 10.9154, 11.9597

Protanomaly

12.5179, 10.0550, 16.6103

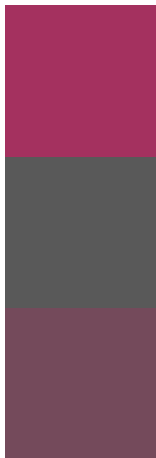
Deuteranomaly

13.0770, 10.3598, 11.2079

Tritanomaly

17.6260, 10.9059, 7.4794

Monochromacy



Original Color

18.4737, 10.9154, 11.9597

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.5396, 9.3659, 11.0971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4737, 10.9154, 11.9597 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(164, 49, 95)` looks like.

```
.text, #text, p{  
    color:rgb(164, 49, 95)  
}
```

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(164, 49, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 49, 95) }
```

Border

The CSS property to change the border of an element to XYZ 18.4737, 10.9154, 11.9597 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(164, 49, 95) }
```


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

```
.border{ border-color:rgb(164, 49, 95) }
```

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

Here you see how a box with a 4 pixel rgb(164, 49, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 49, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 49, 95);  
box-shadow:4px 4px 4px 4px rgb(164, 49,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4737, 10.9154, 11.9597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 49, 95) }
```

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

```
.background{ background-color: rgb(164, 49,  
95) }
```

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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