

Converting Colors

XYZ(17.7799, 11.1485, 19.9607)

Have a look what the booklet for
XYZ(17.7799, 11.1485, 19.9607)
contains.

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Color

**XYZ(17.7687, 11.1458,
19.9537)**

Conversions

Conversions Part 1

Format	Color
Hex	963C7B
RGB	150, 60, 123
RGB Percent	59%, 24%, 48%
CMY	0.4118, 0.7647, 0.5176
CMYK	0.00, 0.60, 0.18, 0.41
HSL	318°, 43%, 41%
HSV	318°, 60%, 59%
XYZ	17.7687, 11.1458, 19.9537
YIQ	94.0920, 33.4170, 38.6730

Conversions

Conversions Part 2

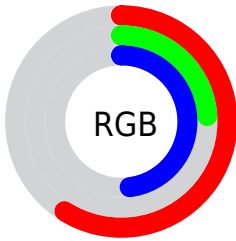
Format	Color
R_{YB}	150, 60, 123
Decimal	9845883
CIE _{Lab}	39.82, 45.27, -17.35
CIE _{LCh}	40, 48.483, 339.029
Yxy	11.1458, 0.3636, 0.2281
Android (android.graphics.Color)	4288035963 (0xFF963C7B)
YUV	94.0920, 14.2516, 49.0313
Hunter-Lab	33.3853, 36.5789, -12.0666

Details

The XYZ color **17.7687, 11.1458, 19.9537** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **14.4907, 23.4619, 12.7827**, and the grayscale version is **10.6233, 11.1766, 12.1713**.

A 20% lighter version of the original color is **39.0842, 27.8447, 44.3889**, and **6.0599, 2.9812, 6.7346** is the 20% darker color. If you saturate the color by 10%, you get **16.8162, 9.6811, 18.2781**, and if you desaturate by 10%, it is **18.9577, 13.0623, 21.7722**.

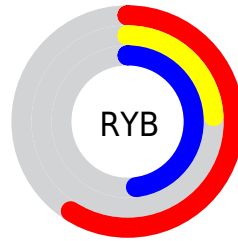
Distribution



Red (59%)

Green (24%)

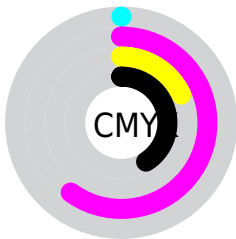
Blue (48%)



Red (59%)

Yellow (24%)

Blue (48%)

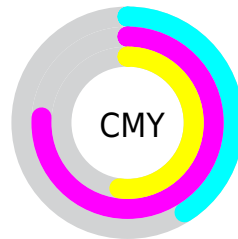


Cyan (0%)

Magenta (60%)

Yellow (18%)

Black (41%)



Cyan (41%)

Magenta (76%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7687, 11.1458, 19.9537 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 17.7687, 11.1458, 19.9537 by changing the saturation by 10% instead.

■ 17.7687, 11.1458,
19.9537

■ 17.7687, 11.1458,
19.9537

■ 232.6350,
198.6651, 264.2603

■ 10.8827, 6.1650,
12.1776

■ 39.1760, 27.9295,
44.1975

■ 6.0547, 2.9457,
6.7408

■ 54.4280, 40.5011,
61.5023

■ 2.9194, 1.1034,
3.2245

■ 73.1994, 56.3718,
82.8205

■ 1.1113, 0.0000,
1.2104

■ 95.8556, 75.9260,
108.5705

■ 0.0345, 0.0000,
0.0000

■ 122.7619, 99.5480,
139.1710

■ 0.0000, 0.0000,
0.0000

■ 154.2836,

127.6223, 175.0404

190.7862,
160.5332, 216.5973

■ 17.7687, 11.1458,
19.9537

■ 17.7687, 11.1458,
19.9537

■ 16.8162, 9.6811,
18.2781

■ 18.9577, 13.0623,
21.7722

■ 16.0794, 8.6278,
16.7374

■ 20.3993, 15.4632,
23.7396

■ 15.5360, 7.9408,
15.3233

■ 22.1095, 18.3800,
25.8621

■ 15.1276, 7.5041,
14.0155

■ 24.1027, 21.8413,
28.1453

■ 15.1275, 7.5040,
14.0152

■ 26.3920, 25.8732,
30.5943

■ 28.9901, 30.5004,
33.2142

■ 31.9085, 35.7460,
36.0095

■ 35.1583, 41.6319,
38.9847

■ 38.7500, 48.1790,
42.1441

Harmonies

Analogous

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



15.1595, 11.1458, 32.6841



17.7687, 11.1458, 19.9537



18.2599, 11.1458, 9.4792

Triad

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



17.7687, 11.1458, 19.9537



9.6202, 11.1458, 1.5400



6.3573, 11.1458, 27.7351

Complementary

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



17.7687, 11.1458, 19.9537



14.4907, 23.4619, 12.7827

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.



5.4445, 11.1458, 15.2476



17.7687, 11.1458, 19.9537



7.0513, 11.1458, 2.7370

Square

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



17.7687, 11.1458, 19.9537



13.0548, 11.1458, 1.8031



5.6688, 11.1458, 6.6846



8.4633, 11.1458, 38.5780

Rectangle

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



17.7687, 11.1458, 19.9537



17.2372, 11.1458, 5.2347



5.6688, 11.1458, 6.6846



5.9232, 11.1458, 23.3877

Sweetspot

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



17.7691, 11.1463, 19.9539



43.1626, 39.6431, 50.3593



11.0520, 7.4606, 29.7120



9.3419, 8.3942, 10.9136



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.7691, 11.1463, 19.9539



29.1906, 16.3708, 31.3000



15.5692, 10.2664, 8.3694



5.9619, 5.8798, 6.9057



12.5609, 6.2294, 11.7005



0.1668, 0.0815, 0.2120

Inverse Universe

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



17.7691, 11.1463, 19.9539



29.1906, 16.3708, 31.3000



16.9351, 24.4397, 25.6550



5.9619, 5.8798, 6.9057



12.5609, 6.2294, 11.7005



0.1668, 0.0815, 0.2120

Previews

White Background



This preview shows how the XYZ color 17.7687, 11.1458, 19.9537 looks on a white background.

Color Contrast Check

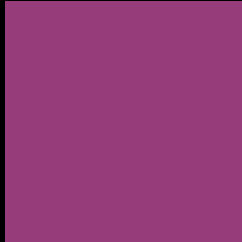
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7687, 11.1458, 19.9537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

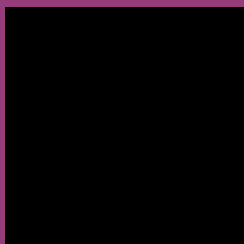
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7687, 11.1458, 19.9537

Background



This preview shows how black text looks on a background with the XYZ color 17.7687, 11.1458, 19.9537.



This preview shows how white text looks on a background with the XYZ color 17.7687, 11.1458,

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

17.7687, 11.1458, 19.9537

Protanopia

12.0837, 11.4227, 29.5849

Deuteranopia

11.5980, 11.4120, 18.7310



Tritanopia

15.4469, 11.1533, 8.3598

Trichromacy



Original Color

17.7687, 11.1458, 19.9537

Protanomaly

13.0821, 10.5737, 25.7775

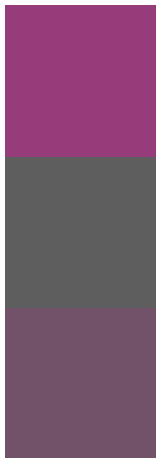
Deuteranomaly

13.1426, 10.7516, 19.1519

Tritanomaly

16.0602, 11.0255, 11.8713

Monochromacy



Original Color

17.7687, 11.1458, 19.9537

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.5065, 10.6319, 14.7576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7687, 11.1458, 19.9537 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(150, 60, 123)` looks like.

```
.text, #text, p{  
    color:rgb(150, 60, 123)  
}
```

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(150, 60, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 60, 123) }
```

Border

The CSS property to change the border of an element to XYZ 17.7687, 11.1458, 19.9537 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(150, 60, 123) }
```


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

```
.border{ border-color:rgb(150, 60, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 60, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 60, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 60, 123);  
box-shadow:4px 4px 4px 4px rgb(150, 60,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7687, 11.1458, 19.9537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 60, 123) }
```

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

```
.background{ background-color: rgb(150, 60,  
123) }
```

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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