

Converting Colors

XYZ(17.5982, 9.8652, 12.6590)

Have a look what the booklet for
XYZ(17.5982, 9.8652, 12.6590)
contains.

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Color

**XYZ(17.6432, 9.8641,
12.7785)**

Conversions

Conversions Part 1

Format	Color
Hex	A12663
RGB	161, 38, 99
RGB Percent	63%, 15%, 39%
CMY	0.3686, 0.8510, 0.6118
CMYK	0.00, 0.76, 0.39, 0.37
HSL	330°, 62%, 39%
HSV	330°, 76%, 63%
XYZ	17.6432, 9.8641, 12.7785
YIQ	81.7310, 53.7270, 45.0470

Conversions

Conversions Part 2

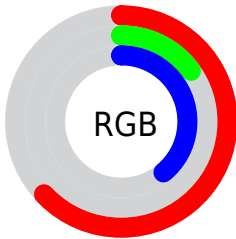
Format	Color
R_{YB}	161, 38, 99
Decimal	10561123
CIE _{Lab}	37.60, 54.20, -5.51
CIE _{LCh}	38, 54.478, 354.195
Yxy	9.8641, 0.4380, 0.2449
Android (android.graphics.Color)	4288751203 (0xFFA12663)
YUV	81.7310, 8.5136, 69.5189
Hunter-Lab	31.4072, 45.3111, -2.1381

Details

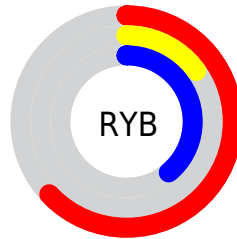
The XYZ color **17.6432, 9.8641, 12.7785** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **15.8451, 26.8222, 16.4004**, and the grayscale version is **7.9429, 8.3565, 9.1003**.

A 20% lighter version of the original color is **39.1124, 25.6021, 31.7344**, and **6.3515, 3.2001, 3.6511** is the 20% darker color. If you saturate the color by 10%, you get **16.8665, 8.9007, 10.7005**, and if you desaturate by 10%, it is **18.6821, 11.2894, 15.1365**.

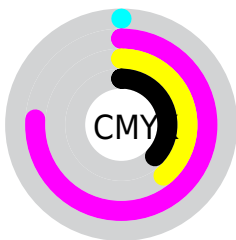
Distribution



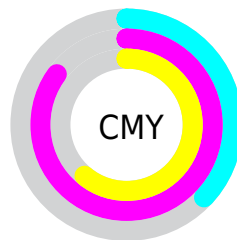
- Red (63%)
- Green (15%)
- Blue (39%)



- Red (63%)
- Yellow (15%)
- Blue (39%)



- Cyan (0%)
- Magenta (76%)
- Yellow (39%)
- Black (37%)



- Cyan (37%)
- Magenta (85%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6432, 9.8641, 12.7785 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 17.6432, 9.8641, 12.7785 by changing the saturation by 10% instead.


 17.6432, 9.8641,
12.7785


 17.6432, 9.8641,
12.7785


231.9369,
189.6994, 220.6509


 10.7923, 5.3089,
7.1473


 38.9633, 25.5396,
31.5906


 5.9936, 2.4296,
3.4745


 54.1631, 37.4287,
45.6086


 2.8818, 0.8411,
1.3417

 72.8766, 52.5312,
63.2592

 1.0916, 0.0000,
0.0956

 95.4692, 71.2316,
84.9610

 0.0180, 0.0000,
0.0000

 122.3061, 93.9142,
111.1325

 0.0000, 0.0000,
0.0000

 153.7528,

120.9634, 142.1923

190.1746,
152.7637, 178.5589

■ 17.6432, 9.8641,
12.7785

■ 17.6432, 9.8641,
12.7785

■ 16.8665, 8.9007,
10.7005

■ 18.6821, 11.2894,
15.1365

■ 16.3134, 8.3241,
8.8838

■ 20.0090, 13.2265,
17.7882

■ 16.1401, 8.1539,
8.2819

■ 21.6474, 15.7206,
20.7468

■ 23.6178, 18.8114,
24.0242

■ 25.9390, 22.5349,
27.6314

■ 28.6285, 26.9242,
31.5789

■ 31.7024, 32.0102,
35.8766

■ 35.1757, 37.8217,
40.5340

■ 39.0630, 44.3861,
45.5602

Harmonies

Analogous

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



15.8489, 9.8641, 26.1265



17.6432, 9.8641, 12.7785



16.8201, 9.8641, 4.6848

Triad

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



17.6432, 9.8641, 12.7785



6.9115, 9.8641, 1.0609



6.0060, 9.8641, 34.6850

Complementary

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



17.6432, 9.8641, 12.7785



15.8451, 26.8222, 16.4004

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.



4.5336, 9.8641, 20.5578



17.6432, 9.8641, 12.7785



4.9596, 9.8641, 3.0196

Square

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



17.6432, 9.8641, 12.7785



10.0625, 9.8641, 0.7428



4.2039, 9.8641, 8.9313



8.7205, 9.8641, 42.8887

Rectangle

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



17.6432, 9.8641, 12.7785



14.9802, 9.8641, 2.1951



4.2039, 9.8641, 8.9313



5.3788, 9.8641, 30.1691

Sweetspot

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



17.6435, 9.8646, 12.7787



47.8107, 42.5588, 51.5145



12.3272, 6.6410, 34.3504



10.1445, 8.7804, 10.7869



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.6435, 9.8646, 12.7787



29.4508, 15.1351, 16.7355



15.7413, 9.1038, 2.7619



7.2134, 7.1418, 8.1099



12.9112, 6.5205, 6.7227



0.2952, 0.1466, 0.2669

Inverse Universe

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



17.6435, 9.8646, 12.7787



29.4508, 15.1351, 16.7355



19.9775, 28.4752, 38.1616



7.2134, 7.1418, 8.1099



12.9112, 6.5205, 6.7227



0.2952, 0.1466, 0.2669

Previews

White Background



This preview shows how the XYZ color 17.6432, 9.8641, 12.7785 looks on a white background.

Color Contrast Check

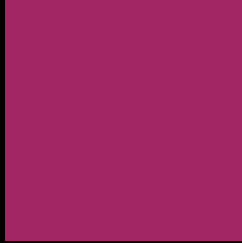
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 17.6432, 9.8641, 12.7785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

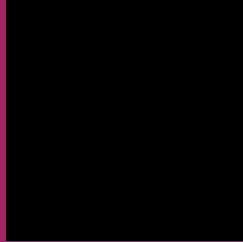
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.6432, 9.8641, 12.7785

Background



This preview shows how black text looks on a background with the XYZ color 17.6432, 9.8641, 12.7785.



This preview shows how white text looks on a background with the XYZ color 17.6432, 9.8641, 12.7785.

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

17.6432, 9.8641, 12.7785

Protanopia

10.5562, 10.1412, 23.2309

Deuteranopia

10.3137, 10.1481, 11.7711



Tritanopia

15.9502, 9.9031, 4.5608

Trichromacy



Original Color

17.6432, 9.8641, 12.7785

Protanomaly

11.5242, 8.8006, 18.8606

Deuteranomaly

11.9394, 9.0755, 11.9490

Tritanomaly

16.3806, 9.7671, 6.8162

Monochromacy



Original Color

17.6432, 9.8641, 12.7785

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.2652, 7.9805, 10.2319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6432, 9.8641, 12.7785 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(161, 38, 99)` looks like.

```
.text, #text, p{  
    color:rgb(161, 38, 99)  
}
```

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(161, 38, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 38, 99) }
```

Border

The CSS property to change the border of an element to XYZ 17.6432, 9.8641, 12.7785 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(161, 38, 99) }
```


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

```
.border{ border-color:rgb(161, 38, 99) }
```

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

Here you see how a box with a 4 pixel rgb(161, 38, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 38, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 38, 99);  
box-shadow:4px 4px 4px 4px rgb(161, 38,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6432, 9.8641, 12.7785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 38, 99) }
```

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

```
.background{ background-color: rgb(161, 38,  
99) }
```

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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