

Converting Colors

XYZ(16.6427, 12.6578, 9.7496)

Have a look what the booklet for
XYZ(16.6427, 12.6578, 9.7496)
contains.

XYZ(16.6427, 12.6578, 9.7496)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.6427, 12.6578,
9.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	945053
RGB	148, 80, 83
RGB Percent	58%, 31%, 33%
CMY	0.4196, 0.6863, 0.6745
CMYK	0.00, 0.46, 0.44, 0.42
HSL	357°, 30%, 45%
HSV	357°, 46%, 58%
XYZ	16.6427, 12.6578, 9.7496
YIQ	100.6740, 39.5650, 15.3490

Conversions

Conversions Part 2

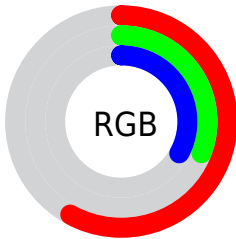
Format	Color
R_{YB}	148, 80, 83
Decimal	9719891
CIE _{Lab}	42.24, 28.68, 10.94
CIE _{LCh}	42, 30.695, 20.887
Yxy	12.6578, 0.4262, 0.3241
Android (android.graphics.Color)	4287909971 (0xFF945053)
YUV	100.6740, -8.7133, 41.5049
Hunter-Lab	35.5778, 21.2382, 8.6569

Details

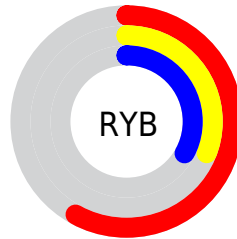
The XYZ color **16.6427, 12.6578, 9.7496** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.0097, 24.9298, 30.5997**, and the grayscale version is **12.3006, 12.9412, 14.0930**.

A 20% lighter version of the original color is **37.1830, 30.7359, 25.8027**, and **5.4825, 3.5526, 2.2305** is the 20% darker color. If you saturate the color by 10%, you get **15.1843, 10.5279, 6.8380**, and if you desaturate by 10%, it is **18.4519, 15.3110, 13.3284**.

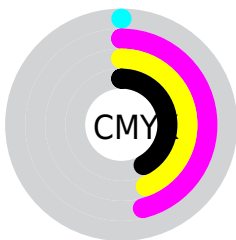
Distribution



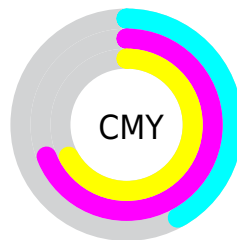
- Red (58%)
- Green (31%)
- Blue (33%)



- Red (58%)
- Yellow (31%)
- Blue (33%)



- Cyan (0%)
- Magenta (46%)
- Yellow (44%)
- Black (42%)





- Cyan (42%)
- Magenta (69%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6427, 12.6578, 9.7496 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 16.6427, 12.6578, 9.7496 by changing the saturation by 10% instead.


 16.6427, 12.6578,
9.7496


 16.6427, 12.6578,
9.7496


226.3015,
208.7128, 199.2949


 10.0738, 7.1933,
5.1298


 37.2589, 30.6876,
25.9239


 5.5106, 3.5833,
2.2636

 52.0370, 44.0218,
38.3154


 2.5876, 1.4433,
0.7107

 70.2821, 60.7479,
54.1347

 0.9397, 0.2483,
0.0000

 92.3597, 81.2505,
73.8001

 0.0000, 0.0000,
0.0000

 118.6350,
105.9139, 97.7303

149.4735,

135.1224, 126.3438

185.2406,
169.2606, 160.0592

■ 16.6427, 12.6578,
9.7496

■ 16.6427, 12.6578,
9.7496

■ 15.1843, 10.5279,
6.8380

■ 18.4519, 15.3110,
13.3284

■ 14.0532, 8.8849,
4.5517

■ 20.6316, 18.5169,
17.6113

■ 13.2242, 7.6909,
2.8450


■ 23.2013, 22.3049,
22.6336


■ 12.6683, 6.9015,
1.6658


■ 26.1786, 26.7019,
28.4278

■ 12.3458, 6.4534,
0.9512

■ 29.5801, 31.7331,
35.0246

 12.2484, 6.3101,
0.7596

 33.4218, 37.4221,
42.4528

 37.7183, 43.7917,
50.7402

 42.4841, 50.8631,
59.9128

 47.7327, 58.6570,
69.9960

Harmonies

Analogous

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



16.9353, 12.6578, 15.8824



16.6427, 12.6578, 9.7496



15.0350, 12.6578, 6.1180

Triad

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



16.6427, 12.6578, 9.7496



8.9214, 12.6578, 7.2479



11.3453, 12.6578, 30.4060

Complementary

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



16.6427, 12.6578, 9.7496



19.0097, 24.9298, 30.5997

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.



9.4561, 12.6578, 26.0977



16.6427, 12.6578, 9.7496



8.1785, 12.6578, 11.8758

Square

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



16.6427, 12.6578, 9.7496



10.5252, 12.6578, 5.0255



8.3610, 12.6578, 18.7968



13.6737, 12.6578, 29.2830

Rectangle

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



16.6427, 12.6578, 9.7496



13.5344, 12.6578, 4.9575



8.3610, 12.6578, 18.7968



10.6430, 12.6578, 29.5047

Sweetspot

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



16.6430, 12.6584, 9.7498



41.7607, 40.5706, 41.5404



19.8209, 13.8596, 29.6473



9.3101, 8.9323, 9.0481



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.



16.6430, 12.6584, 9.7498



26.7568, 18.5245, 11.9944



19.3020, 18.1574, 10.0778



5.8105, 5.8193, 6.1084



10.4649, 5.3910, 0.6632



0.1301, 0.0668, 0.0189

Inverse Universe

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



16.6430, 12.6584, 9.7498



26.7568, 18.5245, 11.9944



15.0622, 16.6602, 30.4387



5.8105, 5.8193, 6.1084



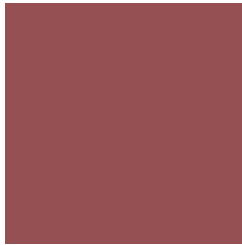
10.4649, 5.3910, 0.6632



0.1301, 0.0668, 0.0189

Previews

White Background



This preview shows how the XYZ color 16.6427, 12.6578, 9.7496 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 16.6427, 12.6578, 9.7496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

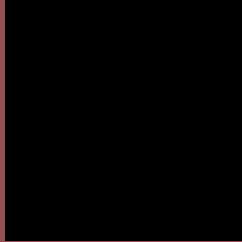
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6427, 12.6578, 9.7496

Background



This preview shows how black text looks on a background with the XYZ color 16.6427, 12.6578, 9.7496.



This preview shows how white text looks on a background with the XYZ color 16.6427, 12.6578,

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

16.6427, 12.6578, 9.7496

Protanopia

12.2419, 12.8477, 12.1906

Deuteranopia

12.9670, 12.7268, 9.3625



Tritanopia

16.7211, 12.6891, 10.1623

Trichromacy



Original Color

16.6427, 12.6578, 9.7496

Protanomaly

13.4633, 12.5430, 11.1627

Deuteranomaly

14.0435, 12.4956, 9.4563

Tritanomaly

16.6816, 12.6733, 9.9545

Monochromacy



Original Color

16.6427, 12.6578, 9.7496

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.4059, 12.4884, 12.2936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6427, 12.6578, 9.7496 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(148, 80, 83)` looks like.

```
.text, #text, p{  
    color:rgb(148, 80, 83)  
}
```

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(148, 80, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 80, 83) }
```

Border

The CSS property to change the border of an element to XYZ 16.6427, 12.6578, 9.7496 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(148, 80, 83) }
```


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

```
.border{ border-color:rgb(148, 80, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 80, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 80, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 80, 83);  
box-shadow:4px 4px 4px 4px rgb(148, 80,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6427, 12.6578, 9.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 80, 83) }
```

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

```
.background{ background-color: rgb(148, 80,  
83) }
```

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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