

Converting Colors

XYZ(19.8014, 12.8454, 15.4597)

Have a look what the booklet for
XYZ(19.8014, 12.8454, 15.4597)
contains.

XYZ(19.7653, 12.8624, 15.3509)	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(19.7653, 12.8624,
15.3509)**

Conversions

Conversions Part 1

Format	Color
Hex	A3436B
RGB	163, 67, 107
RGB Percent	64%, 26%, 42%
CMY	0.3608, 0.7372, 0.5804
CMYK	0.00, 0.59, 0.34, 0.36
HSL	335°, 42%, 45%
HSV	335°, 59%, 64%
XYZ	19.7653, 12.8624, 15.3509
YIQ	100.2640, 44.3760, 32.7920

Conversions

Conversions Part 2

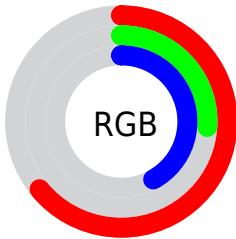
Format	Color
R_{YB}	163, 67, 107
Decimal	10699627
CIE _{Lab}	42.56, 43.83, -3.14
CIE _{LCh}	43, 43.946, 355.908
Yxy	12.8624, 0.4120, 0.2681
Android (android.graphics.Color)	4288889707 (0xFFA3436B)
YUV	100.2640, 3.3208, 55.0195
Hunter-Lab	35.8642, 35.6117, -0.2729

Details

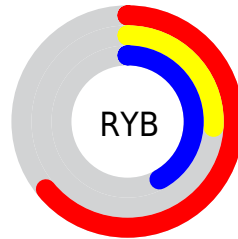
The XYZ color **19.7653, 12.8624, 15.3509** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.9878, 28.8182, 23.3023**, and the grayscale version is **12.1649, 12.7984, 13.9374**.

A 20% lighter version of the original color is **42.5872, 31.0344, 36.0934**, and **7.0868, 3.6881, 4.6133** is the 20% darker color. If you saturate the color by 10%, you get **18.4560, 11.0008, 12.5805**, and if you desaturate by 10%, it is **21.4031, 15.2928, 18.5025**.

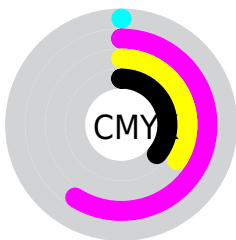
Distribution



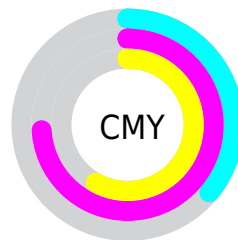
- Red (64%)
- Green (26%)
- Blue (42%)



- Red (64%)
- Yellow (26%)
- Blue (42%)



- Cyan (0%)
- Magenta (59%)
- Yellow (34%)
- Black (36%)



- Cyan (36%)
- Magenta (74%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7653, 12.8624, 15.3509 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 19.7653, 12.8624, 15.3509 by changing the saturation by 10% instead.

■ 19.7653, 12.8624,
15.3509

■ 19.7653, 12.8624,
15.3509

243.4996,
210.0339, 237.1939

■ 12.3318, 7.3339,
8.9167

■ 42.5303, 31.0564,
36.2186

■ 7.0439, 3.6718,
4.5908

■ 58.5925, 44.4906,
51.4891

■ 3.5361, 1.4917,
1.9547

■ 78.2617, 61.3288,
70.5421

■ 1.4432, 0.2829,
0.5272

■ 101.9032, 81.9554,
93.7962

■ 0.2867, 0.0000,
0.0000

■ 129.8824,
106.7549, 121.6699

■ 0.0000, 0.0000,
0.0000

162.5646,

136.1115, 154.5817

200.3152,
170.4097, 192.9502

■ 19.7653, 12.8624,
15.3509

■ 19.7653, 12.8624,
15.3509

■ 18.4560, 11.0008,
12.5805

■ 21.4031, 15.2928,
18.5025

■ 17.4487, 9.6582,
10.1734

■ 23.3908, 18.3322,
22.0505

■ 16.7145, 8.7795,
8.1108

■ 25.7492, 22.0197,
26.0098

■ 16.1970, 8.2550,
6.3643

■ 28.4971, 26.3903,
30.3944

■ 16.1450, 8.2028,
6.1872

■ 31.6519, 31.4766,
35.2176

■ 35.2301, 37.3090,
40.4918

■ 39.2470, 43.9162,
46.2291

■ 43.7174, 51.3254,
52.4412

■ 48.6553, 59.5624,
59.1390

Harmonies

Analogous

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



18.3130, 12.8624, 26.9609



19.7653, 12.8624, 15.3509



18.9161, 12.8624, 7.4375

Triad

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



19.7653, 12.8624, 15.3509



9.6420, 12.8624, 3.1547



8.9838, 12.8624, 35.2667

Complementary

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



19.7653, 12.8624, 15.3509



18.9878, 28.8182, 23.3023

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.



7.3339, 12.8624, 23.6122



19.7653, 12.8624, 15.3509



7.6628, 12.8624, 6.0515

Square

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



19.7653, 12.8624, 15.3509



12.6867, 12.8624, 2.5369



6.8979, 12.8624, 12.7401



11.7753, 12.8624, 41.3141

Rectangle

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



19.7653, 12.8624, 15.3509



17.2288, 12.8624, 4.5481



6.8979, 12.8624, 12.7401



8.2985, 12.8624, 31.6752

Sweetspot

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



19.7657, 12.8631, 15.3511



51.3320, 47.7374, 54.8955



16.7871, 10.8704, 35.8639



11.2016, 10.1978, 11.8165



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.



19.7657, 12.8631, 15.3511



32.3769, 18.7780, 20.9827



18.6340, 13.2247, 6.8815



7.1904, 7.1326, 7.9893



12.5693, 6.3838, 4.9225



0.2874, 0.1435, 0.2261

Inverse Universe

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



19.7657, 12.8631, 15.3511



32.3769, 18.7780, 20.9827



20.6475, 27.2808, 38.8279



7.1904, 7.1326, 7.9893



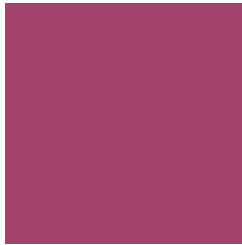
12.5693, 6.3838, 4.9225



0.2874, 0.1435, 0.2261

Previews

White Background



This preview shows how the XYZ color 19.7653, 12.8624, 15.3509 looks on a white background.

Color Contrast Check

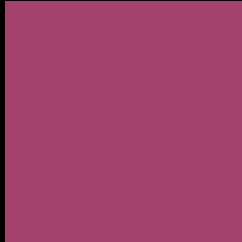
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7653, 12.8624, 15.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

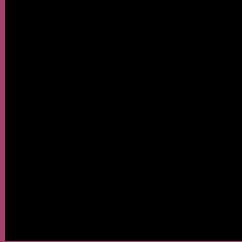
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7653, 12.8624, 15.3509

Background



This preview shows how black text looks on a background with the XYZ color 19.7653, 12.8624, 15.3509.

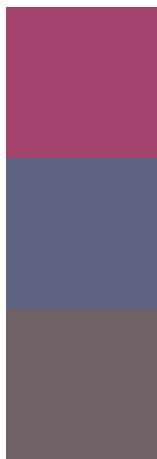


This preview shows how white text looks on a background with the XYZ color 19.7653, 12.8624,

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

19.7653, 12.8624, 15.3509

Protanopia

13.0695, 13.0525, 22.2526

Deuteranopia

13.1964, 13.0097, 14.3860



Tritanopia

18.4556, 12.8922, 8.7235

Trichromacy



Original Color

19.7653, 12.8624, 15.3509

Protanomaly

14.4876, 12.2575, 19.3716

Deuteranomaly

14.9601, 12.4830, 14.7177

Tritanomaly

18.9567, 12.9091, 10.9438

Monochromacy



Original Color

19.7653, 12.8624, 15.3509

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.1063, 12.1697, 14.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7653, 12.8624, 15.3509 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(163, 67, 107)` looks like.

```
.text, #text, p{  
    color:rgb(163, 67, 107)  
}
```

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(163, 67, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 67, 107) }
```

Border

The CSS property to change the border of an element to XYZ 19.7653, 12.8624, 15.3509 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(163, 67, 107) }
```


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

```
.border{ border-color:rgb(163, 67, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 67, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 67, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 67, 107);  
box-shadow:4px 4px 4px 4px rgb(163, 67,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7653, 12.8624, 15.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 67, 107) }
```

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

```
.background{ background-color: rgb(163, 67,  
107) }
```

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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