

Converting Colors

XYZ(21.6839, 14.4652, 20.1103)

Have a look what the booklet for
XYZ(21.6839, 14.4652, 20.1103)
contains.

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Color

**XYZ(21.7548, 14.5443,
20.0731)**

Conversions

Conversions Part 1

Format	Color
Hex	A64B7A
RGB	166, 75, 122
RGB Percent	65%, 29%, 48%
CMY	0.3490, 0.7059, 0.5216
CMYK	0.00, 0.55, 0.27, 0.35
HSL	329°, 38%, 47%
HSV	329°, 55%, 65%
XYZ	21.7548, 14.5443, 20.0731
YIQ	107.5670, 39.1490, 33.9090

Conversions

Conversions Part 2

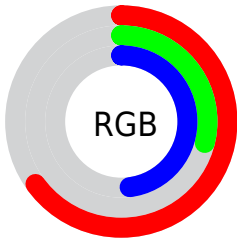
Format	Color
RYB	166, 75, 122
Decimal	10898298
CIELab	45.00, 42.90, -8.65
CIElCh	45, 43.767, 348.602
Yxy	14.5443, 0.3859, 0.2580
Android (android.graphics.Color)	4289088378 (0xFFA64B7A)
YUV	107.5670, 7.1155, 51.2457
Hunter-Lab	38.1370, 35.0835, -4.5109

Details

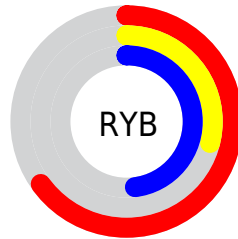
The XYZ color **21.7548, 14.5443, 20.0731** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.8684, 30.1006, 22.2171**, and the grayscale version is **14.1064, 14.8411, 16.1619**.

A 20% lighter version of the original color is **45.6608, 33.9227, 44.1855**, and **8.0263, 4.3969, 6.7290** is the 20% darker color. If you saturate the color by 10%, you get **20.2952, 12.3884, 17.2333**, and if you desaturate by 10%, it is **23.5500, 17.3055, 23.2278**.

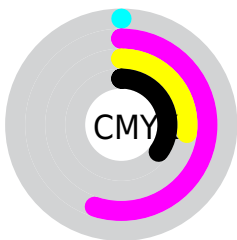
Distribution



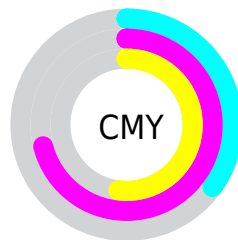
- Red (65%)
- Green (29%)
- Blue (48%)



- Red (65%)
- Yellow (29%)
- Blue (48%)



- Cyan (0%)
- Magenta (55%)
- Yellow (27%)
- Black (35%)



- Cyan (35%)
- Magenta (71%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7548, 14.5443, 20.0731 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 21.7548, 14.5443, 20.0731 by changing the saturation by 10% instead.

■ 21.7548, 14.5443,
20.0731

■ 21.7548, 14.5443,
20.0731

253.9196,
220.5912, 264.9279

■ 13.7924, 8.5002,
12.2636

■ 45.8223, 34.0517,
44.4003

■ 8.0572, 4.4166,
6.7987

■ 62.6581, 48.2839,
61.7550

■ 4.1837, 1.9093,
3.2600

■ 83.1824, 66.0141,
83.1286

■ 1.8066, 0.5539,
1.2289

■ 107.7607, 87.6269,
108.9396

■ 0.5216, 0.0000,
0.0024

■ 136.7582,
113.5066, 139.6064

■ 0.0000, 0.0000,
0.0000

170.5402,

144.0376, 175.5478

209.4723,
179.6043, 217.1821

■ 21.7548, 14.5443,
20.0731

■ 21.7548, 14.5443,
20.0731

■ 20.2952, 12.3884,
17.2333

■ 23.5500, 17.3055,
23.2278

■ 19.1457, 10.7887,
14.6946

■ 25.7015, 20.7120,
26.7085

■ 18.2788, 9.6914,
12.4428

■ 28.2295, 24.8028,
30.5267

■ 17.6602, 9.0302,
10.4613

■ 31.1524, 29.6132,
34.6928

■ 17.3949, 8.7746,
9.5246

■ 34.4872, 35.1759,
39.2170

■ 38.2501, 41.5219,
44.1087

■ 42.4563, 48.6801,
49.3769

■ 47.1201, 56.6782,
55.0306

■ 52.2554, 65.5424,
61.0779

Harmonies

Analogous

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



19.6755, 14.5443, 32.8366



21.7548, 14.5443, 20.0731



21.4525, 14.5443, 10.3300

Triad

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



21.7548, 14.5443, 20.0731



11.7368, 14.5443, 3.5177



9.7432, 14.5443, 35.7766

Complementary

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



21.7548, 14.5443, 20.0731



19.8684, 30.1006, 22.2171

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.



8.2595, 14.5443, 23.0168



21.7548, 14.5443, 20.0731



9.2654, 14.5443, 6.0306

Square

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



21.7548, 14.5443, 20.0731



15.2334, 14.5443, 3.2871



8.1012, 14.5443, 12.2420



12.5042, 14.5443, 44.1957

Rectangle

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



21.7548, 14.5443, 20.0731



19.9506, 14.5443, 6.4271



8.1012, 14.5443, 12.2420



9.1007, 14.5443, 31.6499

Sweetspot

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



21.7552, 14.5450, 20.0734



55.7064, 52.3672, 61.8037



17.0052, 11.7070, 37.4399



12.2239, 11.3188, 13.4898



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.7552, 14.5450, 20.0734



36.2814, 21.6951, 30.1172



19.5651, 13.6690, 8.5402



7.6868, 7.6046, 8.6678



13.5126, 6.8137, 7.5108



0.3544, 0.1761, 0.3180

Inverse Universe

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



21.7552, 14.5450, 20.0734



36.2814, 21.6951, 30.1172



23.2829, 31.4664, 40.1978



7.6868, 7.6046, 8.6678



13.5126, 6.8137, 7.5108



0.3544, 0.1761, 0.3180

Previews

White Background



This preview shows how the XYZ color 21.7548, 14.5443, 20.0731 looks on a white background.

Color Contrast Check

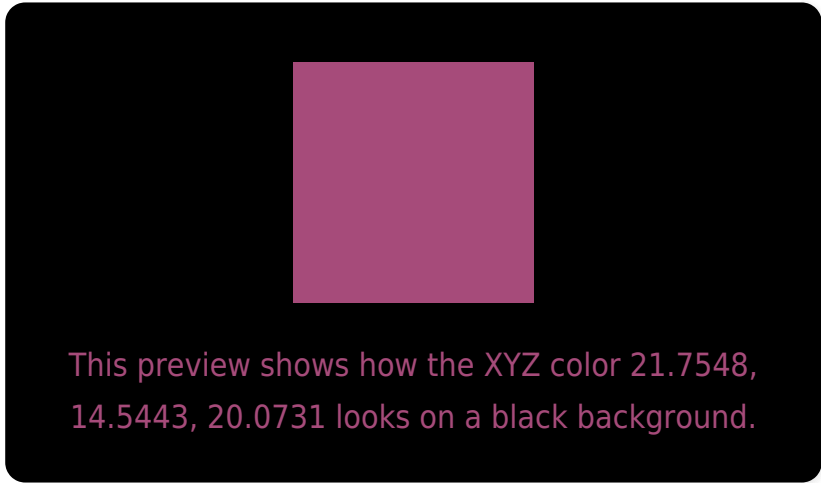
Large Text (above 18pt) WCAG AA ✓ Pass

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

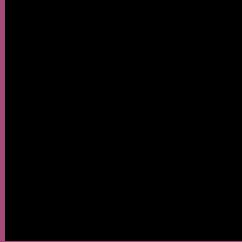
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7548, 14.5443, 20.0731

Background



This preview shows how black text looks on a background with the XYZ color 21.7548, 14.5443, 20.0731.



This preview shows how white text looks on a background with the XYZ color 21.7548, 14.5443,

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

21.7548, 14.5443, 20.0731

Protanopia

15.0417, 14.8326, 28.0568

Deuteranopia

14.9713, 14.6957, 18.8771



Tritanopia

19.8830, 14.5257, 10.9883

Trichromacy



Original Color

21.7548, 14.5443, 20.0731

Protanomaly

16.4914, 14.0713, 24.7685

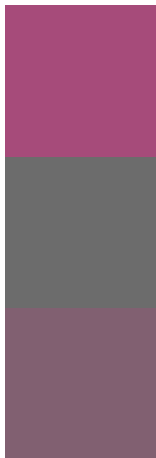
Deuteranomaly

16.7598, 14.0661, 19.2845

Tritanomaly

20.4061, 14.4046, 13.7614

Monochromacy



Original Color

21.7548, 14.5443, 20.0731

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.2168, 14.2251, 17.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7548, 14.5443, 20.0731 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(166, 75, 122)` looks like.

```
.text, #text, p{  
  color:rgb(166, 75, 122)  
}
```

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(166, 75, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 75, 122) }
```

Border

The CSS property to change the border of an element to XYZ 21.7548, 14.5443, 20.0731 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(166, 75, 122) }
```


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

```
.border{ border-color:rgb(166, 75, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 75, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 75, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 75, 122);  
box-shadow:4px 4px 4px 4px rgb(166, 75,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7548, 14.5443, 20.0731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 75, 122) }
```

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

```
.background{ background-color: rgb(166, 75,  
122) }
```

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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