

Converting Colors

XYZ(21.7740, 14.4995, 34.0440)

Have a look what the booklet for
XYZ(21.7740, 14.4995, 34.0440)
contains.

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Color

**XYZ(21.7743, 14.4518,
33.9896)**

Conversions

Conversions Part 1

Format	Color
Hex	984D9E
RGB	152, 77, 158
RGB Percent	60%, 30%, 62%
CMY	0.4039, 0.6980, 0.3804
CMYK	0.04, 0.51, 0.00, 0.38
HSL	296°, 34%, 46%
HSV	296°, 51%, 62%
XYZ	21.7743, 14.4518, 33.9896
YIQ	108.6590, 18.6990, 41.0910

Conversions

Conversions Part 2

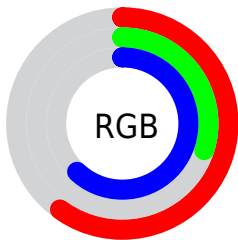
Format	Color
R_{YB}	152, 77, 158
Decimal	9981342
CIE _{Lab}	44.87, 43.55, -30.72
CIE _{LCh}	45, 53.296, 324.806
Yxy	14.4518, 0.3101, 0.2058
Android (android.graphics.Color)	4288171422 (0xFF984D9E)
YUV	108.6590, 24.3251, 38.0101
Hunter-Lab	38.0155, 35.7130, -26.4002

Details

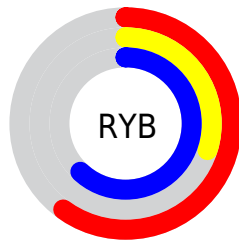
The XYZ color **21.7743, 14.4518, 33.9896** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.1342, 26.8289, 11.2973**, and the grayscale version is **14.3696, 15.1180, 16.4635**.

A 20% lighter version of the original color is **45.8729, 33.9145, 67.0792**, and **8.0947, 4.3885, 14.0561** is the 20% darker color. If you saturate the color by 10%, you get **20.5823, 12.3910, 33.6549**, and if you desaturate by 10%, it is **23.2380, 17.0520, 34.4145**.

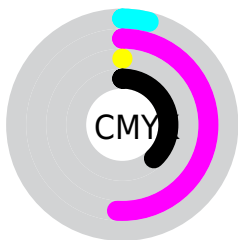
Distribution



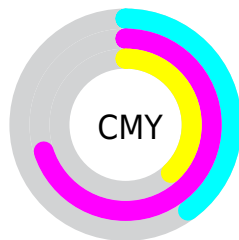
- Red (60%)
- Green (30%)
- Blue (62%)



- Red (60%)
- Yellow (30%)
- Blue (62%)



- Cyan (4%)
- Magenta (51%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (70%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7743, 14.4518, 33.9896 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 21.7743, 14.4518, 33.9896 by changing the saturation by 10% instead.

■ 21.7743, 14.4518,
33.9896

■ 21.7743, 14.4518,
33.9896

254.0199,
220.0237, 334.8534

■ 13.8068, 8.4356,
22.6083

■ 45.8543, 33.8886,
67.0512

■ 8.0672, 4.3749,
14.1020

■ 62.6976, 48.0779,
89.5686

■ 4.1902, 1.8854,
8.0521

■ 83.2301, 65.7603,
116.6351

■ 1.8103, 0.5396,
4.0400

■ 107.8173, 87.3203,
148.6693

■ 0.5238, 0.0000,
1.6473

■ 136.8246,
113.1423, 186.0897

■ 0.0000, 0.0000,
0.3243

170.6172,

■ 0.0000, 0.0000,

143.6105, 229.3148

0.0000

209.5605,
179.1095, 278.7632

■ 21.7743, 14.4518,
33.9896

■ 21.7743, 14.4518,
33.9896

■ 20.5823, 12.3910,
33.6549

■ 23.2380, 17.0520,
34.4145

■ 19.6407, 10.8282,
33.4028

■ 24.9896, 20.2252,
34.9347

■ 18.9275, 9.7189,
33.2263

■ 27.0460, 24.0048,
35.5559

■ 18.4160, 9.0101,
33.1165

■ 29.4223, 28.4207,
36.2830

■ 18.0785, 8.6069,
33.0564

■ 32.1323, 33.5011,
37.1208

■ 35.1895, 39.2725,
38.0736

■ 38.6063, 45.7598,
39.1457

■ 42.3945, 52.9867,
40.3410

■ 46.5655, 60.9758,
41.6632

Harmonies

Analogous

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



17.5554, 14.4518, 49.0666



21.7743, 14.4518, 33.9896



23.8717, 14.4518, 18.0071

Triad

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



21.7743, 14.4518, 33.9896



14.5078, 14.4518, 1.9003



7.4529, 14.4518, 28.0873

Complementary

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



21.7743, 14.4518, 33.9896



17.1342, 26.8289, 11.2973

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.



6.9727, 14.4518, 13.6635



21.7743, 14.4518, 33.9896



10.5151, 14.4518, 2.4648

Square

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



21.7743, 14.4518, 33.9896



19.1470, 14.4518, 3.1507



7.9685, 14.4518, 5.5686



9.4546, 14.4518, 44.5787

Rectangle

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



21.7743, 14.4518, 33.9896



23.5214, 14.4518, 10.3704



7.9685, 14.4518, 5.5686



7.1289, 14.4518, 22.6905

Sweetspot

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



21.7748, 14.4524, 33.9899



51.6200, 48.2378, 65.3336



12.3837, 10.3491, 33.6928



11.4445, 10.5162, 14.6703



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.



21.7748, 14.4524, 33.9899



37.0096, 21.8805, 61.0162



20.4088, 14.0391, 20.7866



6.8557, 6.7296, 8.3443



14.4933, 6.9006, 26.4753



0.2721, 0.1301, 0.4740

Inverse Universe

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



18.3163, 13.2020, 9.7672



30.1262, 19.4234, 11.3883



18.1435, 27.1741, 19.2564



6.6520, 6.6537, 7.0186



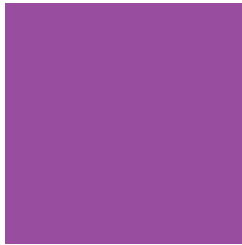
11.3511, 5.8450, 0.8339



0.2081, 0.1066, 0.0421

Previews

White Background



This preview shows how the XYZ color 21.7743, 14.4518, 33.9896 looks on a white background.

Color Contrast Check

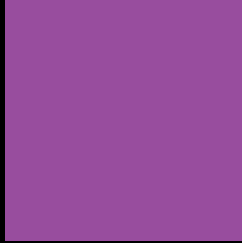
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7743, 14.4518, 33.9896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

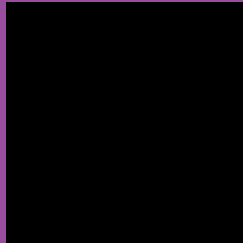
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7743, 14.4518, 33.9896

Background



This preview shows how black text looks on a background with the XYZ color 21.7743, 14.4518, 33.9896.



This preview shows how white text looks on a background with the XYZ color 21.7743, 14.4518,

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

21.7743, 14.4518, 33.9896

Protanopia

16.1415, 14.6945, 46.2415

Deuteranopia

15.0236, 14.7318, 32.1887



Tritanopia

17.5809, 14.4844, 13.6735

Trichromacy



Original Color

21.7743, 14.4518, 33.9896



Protanomaly

17.0250, 13.8473, 41.3106



Deuteranomaly

16.6907, 13.9957, 32.8321



Tritanomaly

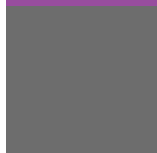
18.8310, 14.3755, 19.5515

Monochromacy



Original Color

21.7743, 14.4518, 33.9896



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

16.5629, 14.4417, 21.9932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7743, 14.4518, 33.9896 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(152, 77, 158)` looks like.

```
.text, #text, p{  
    color:rgb(152, 77, 158)  
}
```

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(152, 77, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 77, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.7743, 14.4518, 33.9896 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(152, 77, 158) }
```


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

```
.border{ border-color:rgb(152, 77, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 77, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 77, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 77, 158);  
box-shadow:4px 4px 4px 4px rgb(152, 77,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7743, 14.4518, 33.9896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 77, 158) }
```

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

```
.background{ background-color: rgb(152, 77,  
158) }
```

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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