

Converting Colors

XYZ(24.8959, 14.5972, 33.3700)

Have a look what the booklet for
XYZ(24.8959, 14.5972, 33.3700)
contains.

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Color

**XYZ(24.9881, 14.6560,
33.4102)**

Conversions

Conversions Part 1

Format	Color
Hex	AD3D9D
RGB	173, 61, 157
RGB Percent	68%, 24%, 62%
CMY	0.3216, 0.7608, 0.3843
CMYK	0.00, 0.65, 0.09, 0.32
HSL	309°, 48%, 46%
HSV	309°, 65%, 68%
XYZ	24.9881, 14.6560, 33.4102
YIQ	105.4320, 35.9360, 53.6000

Conversions

Conversions Part 2

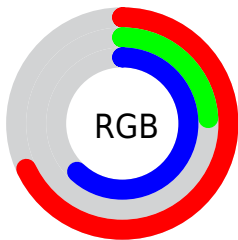
Format	Color
R_{YB}	173, 61, 157
Decimal	11353501
CIE Lab	45.16, 56.69, -29.45
CIE LCh	45, 63.883, 332.549
Yxy	14.6560, 0.3420, 0.2006
Android (android.graphics.Color)	4289543581 (0xFFAD3D9D)
YUV	105.4320, 25.4230, 59.2571
Hunter-Lab	38.2832, 49.5146, -24.9449

Details

The XYZ color **24.9881, 14.6560, 33.4102** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.2082, 31.4156, 12.1263**, and the grayscale version is **13.4713, 14.1729, 15.4343**.

A 20% lighter version of the original color is **51.0841, 34.2332, 66.2026**, and **9.8859, 4.8018, 13.7704** is the 20% darker color. If you saturate the color by 10%, you get **24.0004, 13.0145, 32.0504**, and if you desaturate by 10%, it is **26.2789, 16.8962, 34.8923**.

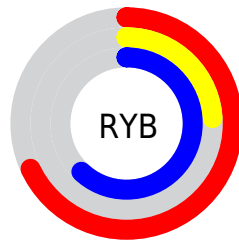
Distribution



Red (68%)

Green (24%)

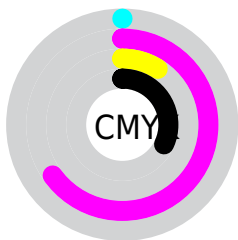
Blue (62%)



Red (68%)

Yellow (24%)

Blue (62%)

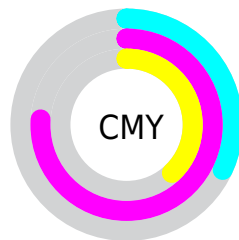


Cyan (0%)

Magenta (65%)

Yellow (9%)

Black (32%)



Cyan (32%)


Magenta (76%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9881, 14.6560, 33.4102 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 24.9881, 14.6560, 33.4102 by changing the saturation by 10% instead.


 24.9881, 14.6560,
33.4102


 24.9881, 14.6560,
33.4102


270.1274,
221.2745, 332.1826


 16.1969, 8.5783,
22.1672


 51.0809, 34.2486,
66.1388

 9.7553, 4.4672,
13.7803


 69.1133, 48.5322,
88.4615


 5.2980, 1.9382,
7.8310


 90.9567, 66.3200,
115.3144

 2.4597, 0.5712,
3.9008

 116.9765, 87.9963,
147.1162

 0.8750, 0.0000,
1.5711

 147.5382,
113.9455, 184.2854

 0.0000, 0.0000,
0.2701

183.0070,

 0.0000, 0.0000,

144.5520, 227.2405

0.0000

223.7483,
180.2002, 276.4001

■ 24.9881, 14.6560,
33.4102

■ 24.9881, 14.6560,
33.4102

■ 24.0004, 13.0145,
32.0504

■ 26.2789, 16.8962,
34.8923

■ 23.2844, 11.9101,
30.8020

■ 27.8973, 19.7848,
36.5047

■ 22.8043, 11.2707,
29.6531

■ 29.8667, 23.3688,
38.2554

■ 22.6016, 11.0315,
29.0734

■ 32.2083, 27.6901,
40.1515

■ 34.9414, 32.7874,
42.1997

■ 38.0839, 38.6965,
44.4061

■ 41.6528, 45.4513,
46.7763

■ 45.6639, 53.0834,
49.3159

■ 50.1323, 61.6231,
52.0299

Harmonies

Analogous

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



20.1199, 14.6560, 55.0163



24.9881, 14.6560, 33.4102



26.6942, 14.6560, 14.7026

Triad

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



24.9881, 14.6560, 33.4102



13.4846, 14.6560, 0.9817



7.0186, 14.6560, 37.2010

Complementary

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



24.9881, 14.6560, 33.4102



18.2082, 31.4156, 12.1263

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.



6.0646, 14.6560, 17.2826



24.9881, 14.6560, 33.4102



9.1610, 14.6560, 1.8696

Square

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



24.9881, 14.6560, 33.4102



19.1396, 14.6560, 1.5775



6.7373, 14.6560, 5.9740



9.7636, 14.6560, 58.0124

Rectangle

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



24.9881, 14.6560, 33.4102



25.5325, 14.6560, 7.2197



6.7373, 14.6560, 5.9740



6.5142, 14.6560, 29.8637

Sweetspot

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



24.9886, 14.6567, 33.4105



60.2396, 54.3487, 73.8571



12.1875, 7.8892, 40.4160



12.8011, 11.2702, 15.8317



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.9886, 14.6567, 33.4105



42.3330, 22.2807, 56.3424



21.3045, 13.1831, 14.0103



8.2871, 8.1281, 9.8228



16.6202, 8.1106, 21.4431



0.4756, 0.2309, 0.6661

Inverse Universe

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



24.9886, 14.6567, 33.4105



42.3330, 22.2807, 56.3424



21.0290, 32.5439, 26.9800



8.2871, 8.1281, 9.8228



16.6202, 8.1106, 21.4431



0.4756, 0.2309, 0.6661

Previews

White Background



This preview shows how the XYZ color 24.9881, 14.6560, 33.4102 looks on a white background.

Color Contrast Check

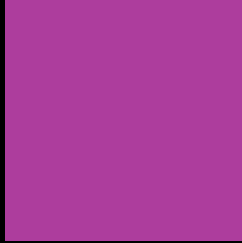
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9881, 14.6560, 33.4102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

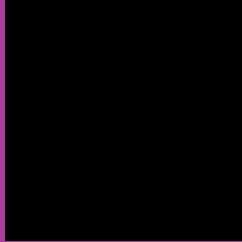
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9881, 14.6560, 33.4102

Background



This preview shows how black text looks on a background with the XYZ color 24.9881, 14.6560, 33.4102.



This preview shows how white text looks on a background with the XYZ color 24.9881, 14.6560,

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

24.9881, 14.6560, 33.4102

Protanopia

17.0163, 15.1333, 53.6539

Deuteranopia

15.1733, 14.8372, 30.9183



Tritanopia

20.3886, 14.6800, 10.7757

Trichromacy



Original Color

24.9881, 14.6560, 33.4102



Protanomaly

17.6218, 13.4240, 45.3784



Deuteranomaly

17.4320, 13.7498, 31.8722



Tritanomaly

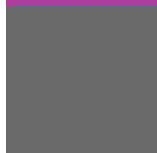
21.7356, 14.5024, 16.9829

Monochromacy



Original Color

24.9881, 14.6560, 33.4102



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

16.4164, 13.3458, 20.7795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9881, 14.6560, 33.4102 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(173, 61, 157)` looks like.

```
.text, #text, p{  
    color:rgb(173, 61, 157)  
}
```

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(173, 61, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 61, 157) }
```

Border

The CSS property to change the border of an element to XYZ 24.9881, 14.6560, 33.4102 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(173, 61, 157) }
```


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

```
.border{ border-color:rgb(173, 61, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 61, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 61, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 61, 157);  
box-shadow:4px 4px 4px 4px rgb(173, 61,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9881, 14.6560, 33.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 61, 157) }
```

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

```
.background{ background-color: rgb(173, 61,  
157) }
```

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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