

Converting Colors

XYZ(33.1539, 24.7363, 45.3124)

Have a look what the booklet for
XYZ(33.1539, 24.7363, 45.3124)
contains.

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Color

**XYZ(33.1215, 24.7478,
45.1506)**

Conversions

Conversions Part 1

Format	Color
Hex	B670B2
RGB	182, 112, 178
RGB Percent	71%, 44%, 70%
CMY	0.2863, 0.5608, 0.3020
CMYK	0.00, 0.38, 0.02, 0.29
HSL	303°, 32%, 58%
HSV	303°, 38%, 71%
XYZ	33.1215, 24.7478, 45.1506
YIQ	140.4540, 20.5340, 35.3660

Conversions

Conversions Part 2

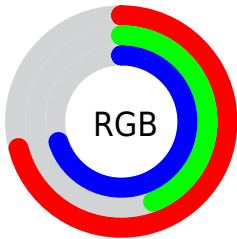
Format	Color
R _Y B	182, 112, 178
Decimal	11956402
CIE Lab	56.83, 37.93, -23.57
CIE LCh	57, 44.663, 328.142
Yxy	24.7478, 0.3215, 0.2402
Android (android.graphics.Color)	4290146482 (0xFFB670B2)
YUV	140.4540, 18.5102, 36.4358
Hunter-Lab	49.7472, 31.7872, -18.9887

Details

The XYZ color **33.1215, 24.7478, 45.1506** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.5635, 38.1625, 22.4905**, and the grayscale version is **25.0292, 26.3327, 28.6763**.

A 20% lighter version of the original color is **63.9030, 51.2015, 84.3567**, and **14.3264, 9.5151, 20.4836** is the 20% darker color. If you saturate the color by 10%, you get **31.2089, 21.0886, 43.9999**, and if you desaturate by 10%, it is **35.4424, 29.2213, 46.4418**.

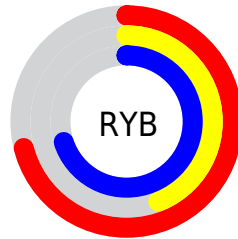
Distribution



Red (71%)

Green (44%)

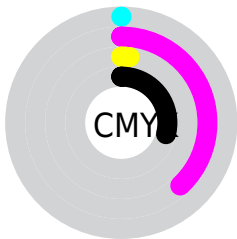
Blue (70%)



Red (71%)

Yellow (44%)

Blue (70%)

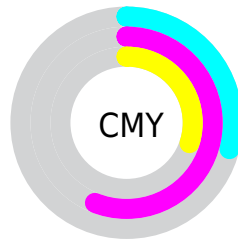


Cyan (0%)

Magenta (38%)

Yellow (2%)

Black (29%)



Cyan (29%)

Magenta (56%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1215, 24.7478, 45.1506 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 33.1215, 24.7478, 45.1506 by changing the saturation by 10% instead.

33.1215, 24.7478,
45.1506

33.1215, 24.7478,
45.1506

307.8522,
276.5796, 383.5610

22.3792, 15.8893,
31.2323

63.9186, 51.2478,
84.2672

14.2540, 9.4458,
20.5158

84.7041, 69.6580,
110.3025

8.3804, 5.0331,
12.5828

109.5681, 92.0209,
141.2139

4.3932, 2.2667,
7.0145

138.8758,
118.7209, 177.4200

1.9269, 0.7560,
3.3926

172.9928,
150.1424, 219.3392

0.5924, 0.0000,
1.2984

212.2843,

0.0000, 0.0000,

186.6698, 267.3900

0.0605

257.1156,
228.6874, 321.9912

■ 0.0000, 0.0000,
0.0000

■ 33.1215, 24.7478,
45.1506

■ 33.1215, 24.7478,
45.1506

■ 31.2089, 21.0886,
43.9999

■ 35.4424, 29.2213,
46.4418

■ 29.6775, 18.1912,
42.9800

■ 38.1917, 34.5508,
47.8794

■ 28.5010, 16.0020,
42.0822


■ 41.3911, 40.7792,
49.4710


■ 27.6483, 14.4594,
41.2963


■ 45.0601, 47.9456,
51.2231


■ 27.0834, 13.4911,
40.6102


■ 49.2171, 56.0867,
53.1417


 26.7454, 12.9754,
40.0036

 53.8795, 65.2373,
55.2328

 26.6997, 12.9084,
39.9125

 59.0638, 75.4305,
57.5018

 63.9490, 85.0241,
59.6751

 64.0602, 85.0686,
60.2610

Harmonies

Analogous

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



28.5823, 24.7478, 61.0843



33.1215, 24.7478, 45.1506



35.0513, 24.7478, 27.8894

Triad

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



33.1215, 24.7478, 45.1506



23.8491, 24.7478, 7.2136



15.7332, 24.7478, 42.9102

Complementary

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



33.1215, 24.7478, 45.1506



26.5635, 38.1625, 22.4905

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.



14.8467, 24.7478, 26.0244



33.1215, 24.7478, 45.1506



19.0974, 24.7478, 8.7125

Square

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



33.1215, 24.7478, 45.1506



29.2293, 24.7478, 9.1592



15.9836, 24.7478, 14.4404



18.6107, 24.7478, 59.4893

Rectangle

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



33.1215, 24.7478, 45.1506



34.4110, 24.7478, 18.9482



15.9836, 24.7478, 14.4404



15.2130, 24.7478, 36.9272

Sweetspot

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



33.1223, 24.7489, 45.1511



72.7713, 69.5088, 88.5755



21.3750, 18.6458, 46.7291



15.9055, 15.0263, 19.4805



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.1223, 24.7489, 45.1511



57.1141, 39.2493, 80.1041



30.0825, 23.5330, 29.1436



9.3582, 9.1536, 11.2335



18.8632, 9.1190, 28.2299



0.6717, 0.3242, 1.0308

Inverse Universe

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



33.1223, 24.7489, 45.1511



57.1141, 39.2493, 80.1041



28.9564, 39.1197, 35.0915



9.3582, 9.1536, 11.2335



18.8632, 9.1190, 28.2299



0.6717, 0.3242, 1.0308

Previews

White Background



This preview shows how the XYZ color 33.1215, 24.7478, 45.1506 looks on a white background.

Color Contrast Check

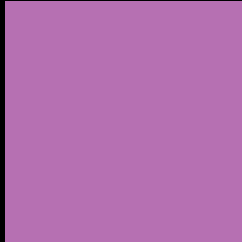
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.1215, 24.7478, 45.1506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

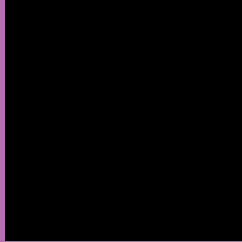
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1215, 24.7478, 45.1506

Background



This preview shows how black text looks on a background with the XYZ color 33.1215, 24.7478, 45.1506.



This preview shows how white text looks on a background with the XYZ color 33.1215, 24.7478,

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

33.1215, 24.7478, 45.1506

Protanopia

25.9855, 25.1196, 55.1087

Deuteranopia

25.5252, 24.9315, 43.5113



Tritanopia

28.9608, 24.7879, 24.7309

Trichromacy



Original Color

33.1215, 24.7478, 45.1506

Protanomaly

27.7592, 24.5156, 51.4130

Deuteranomaly

27.7764, 24.5009, 43.8226

Tritanomaly

30.1838, 24.5600, 31.1667

Monochromacy



Original Color

33.1215, 24.7478, 45.1506

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.3329, 25.2669, 34.0083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1215, 24.7478, 45.1506 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(182, 112, 178)` looks like.

```
.text, #text, p{  
    color:rgb(182, 112, 178)  
}
```

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(182, 112, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 112, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.1215, 24.7478, 45.1506 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(182, 112, 178) }
```


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

```
.border{ border-color:rgb(182, 112, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 112, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 112, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 112, 178);  
box-shadow:4px 4px 4px 4px rgb(182, 112,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1215, 24.7478, 45.1506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 112, 178) }
```

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

```
.background{ background-color: rgb(182,  
112, 178) }
```

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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