

Converting Colors

XYZ(33.5500, 24.3627, 57.7631)

Have a look what the booklet for
XYZ(33.5500, 24.3627, 57.7631)
contains.

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Color

**XYZ(33.4568, 24.3207,
57.5746)**

Conversions

Conversions Part 1

Format	Color
Hex	AE6EC8
RGB	174, 110, 200
RGB Percent	68%, 43%, 78%
CMY	0.3176, 0.5686, 0.2157
CMYK	0.13, 0.45, 0.00, 0.22
HSL	283°, 45%, 61%
HSV	283°, 45%, 78%
XYZ	33.4568, 24.3207, 57.5746
YIQ	139.3960, 9.2540, 41.5580

Conversions

Conversions Part 2

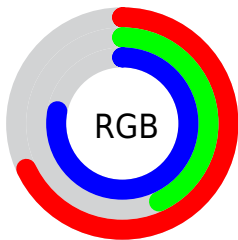
Format	Color
RYB	174, 110, 200
Decimal	11431624
CIELab	56.41, 40.93, -36.89
CIELCh	56, 55.103, 317.976
Yxy	24.3207, 0.2900, 0.2108
Android (android.graphics.Color)	4289621704 (0xFFAE6EC8)
YUV	139.3960, 29.8778, 30.3477
Hunter-Lab	49.3160, 34.7943, -34.6976

Details

The XYZ color **33.4568, 24.3207, 57.5746** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **33.6229, 47.6692, 22.1819**, and the grayscale version is **24.5799, 25.8600, 28.1615**.

A 20% lighter version of the original color is **64.1022, 50.4033, 100.9580**, and **14.5499, 9.3001, 28.2224** is the 20% darker color. If you saturate the color by 10%, you get **30.2780, 19.8326, 56.8762**, and if you desaturate by 10%, it is **37.1796, 29.8133, 58.4390**.

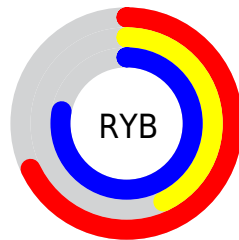
Distribution



Red (68%)

Green (43%)

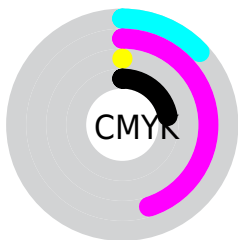
Blue (78%)



Red (68%)

Yellow (43%)

Blue (78%)

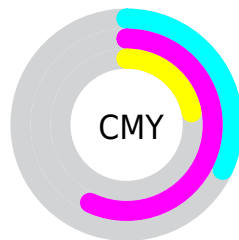


Cyan (13%)

Magenta (45%)

Yellow (0%)

Black (22%)



Cyan (32%)

Magenta (57%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4568, 24.3207, 57.5746 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 33.4568, 24.3207, 57.5746 by changing the saturation by 10% instead.

■ 33.4568, 24.3207,
57.5746

■ 33.4568, 24.3207,
57.5746

309.3318,
274.4378, 433.1528

■ 22.6375, 15.5717,
41.0543

■ 64.4380, 50.5530,
102.8118

■ 14.4453, 9.2216,
28.0415

■ 85.3306, 68.8051,
132.3657

■ 8.5148, 4.8860,
18.1176

■ 110.3117, 90.9937,
167.1013

■ 4.4806, 2.1805,
10.8642

■ 139.7466,
117.5032, 207.4371

■ 1.9775, 0.7093,
5.8625

174.0007,
148.7180, 253.7916

■ 0.6213, 0.0000,
2.6942

213.4394,

■ 0.0000, 0.0000,

185.0224, 306.5834

0.9405

258.4280,
226.8009, 366.2309

■ 0.0000, 0.0000,
0.0000

■ 33.4568, 24.3207,
57.5746

■ 33.4568, 24.3207,
57.5746

■ 30.2780, 19.8326,
56.8762

■ 37.1796, 29.8133,
58.4390

■ 27.6069, 16.2791,
56.3311

■ 41.4747, 36.3679,
59.4777

■ 25.4061, 13.5865,
55.9274

■ 46.3711, 44.0410,
60.7007

■ 23.6319, 11.6677,
55.6505

■ 51.8953, 52.8844,
62.1165

■ 22.2309, 10.4173,
55.4830

■ 58.0719, 62.9466,
63.7332

■ 21.6190, 9.9407,
55.4233

■ 64.9242, 74.2732,
65.5583

■ 72.4743, 86.9075,
67.5990

■ 75.7684, 90.9408,
68.2039

■ 77.5500, 91.8592,
68.2873

Harmonies

Analogous

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



27.1045, 24.3207, 75.7979



33.4568, 24.3207, 57.5746



37.2783, 24.3207, 34.4780

Triad

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



33.4568, 24.3207, 57.5746



25.7616, 24.3207, 4.8602



13.3163, 24.3207, 38.8444

Complementary

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



33.4568, 24.3207, 57.5746



33.6229, 47.6692, 22.1819

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.



13.0897, 24.3207, 19.8275



33.4568, 24.3207, 57.5746



19.5395, 24.3207, 5.1710

Square

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



33.4568, 24.3207, 57.5746



32.3195, 24.3207, 8.0398



15.1613, 24.3207, 9.2600



15.8502, 24.3207, 62.0051

Rectangle

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



33.4568, 24.3207, 57.5746



37.4852, 24.3207, 21.9072



15.1613, 24.3207, 9.2600



12.9872, 24.3207, 31.6511

Sweetspot

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



33.4577, 24.3217, 57.5751



81.9355, 78.8716, 105.5130



25.8024, 25.3776, 58.1824



17.1020, 16.1906, 22.4737



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.4577, 24.3217, 57.5751



52.5353, 34.4930, 98.4966



37.8396, 26.8096, 47.4371



10.7731, 10.6568, 13.4067



13.8384, 6.3682, 35.2442



0.7244, 0.3372, 1.6720

Inverse Universe

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



33.8401, 25.2098, 26.3761



53.7289, 36.4897, 36.1455



30.9818, 46.1827, 27.7044



10.7578, 10.6865, 11.7078



15.6613, 8.0141, 3.4263



0.7736, 0.3923, 0.3311

Previews

White Background



This preview shows how the XYZ color 33.4568, 24.3207, 57.5746 looks on a white background.

Color Contrast Check

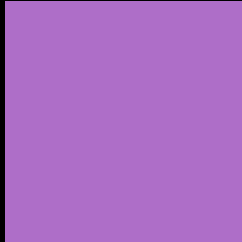
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4568, 24.3207, 57.5746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

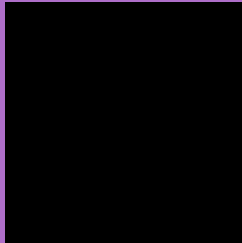
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4568, 24.3207, 57.5746

Background



This preview shows how black text looks on a background with the XYZ color 33.4568, 24.3207, 57.5746.



This preview shows how white text looks on a background with the XYZ color 33.4568, 24.3207,

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

33.4568, 24.3207, 57.5746

Protanopia

26.7853, 24.7671, 71.0789

Deuteranopia

25.0575, 24.4351, 55.0255



Tritanopia

27.0166, 24.3090, 26.1898

Trichromacy



Original Color

33.4568, 24.3207, 57.5746

Protanomaly

28.2459, 24.0605, 66.1062

Deuteranomaly

27.4033, 23.8493, 55.9824

Tritanomaly

29.1229, 24.2610, 35.9488

Monochromacy



Original Color

33.4568, 24.3207, 57.5746

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

27.1011, 24.6870, 37.0549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4568, 24.3207, 57.5746 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(174, 110, 200)` looks like.

```
.text, #text, p{  
    color:rgb(174, 110, 200)  
}
```

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(174, 110, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 110, 200) }
```

Border

The CSS property to change the border of an element to XYZ 33.4568, 24.3207, 57.5746 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(174, 110, 200) }
```


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

```
.border{ border-color:rgb(174, 110, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 110, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 110, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 110, 200);  
box-shadow:4px 4px 4px 4px rgb(174, 110,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4568, 24.3207, 57.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 110, 200) }
```

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

```
.background{ background-color: rgb(174,  
110, 200) }
```

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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