

Converting Colors

XYZ(31.1335, 24.3848, 42.8433)

Have a look what the booklet for
XYZ(31.1335, 24.3848, 42.8433)
contains.

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Color

**XYZ(31.0218, 24.3921,
42.6083)**

Conversions

Conversions Part 1

Format	Color
Hex	AD74AD
RGB	173, 116, 173
RGB Percent	68%, 45%, 68%
CMY	0.3216, 0.5451, 0.3216
CMYK	0.00, 0.33, 0.00, 0.32
HSL	300°, 26%, 57%
HSV	300°, 33%, 68%
XYZ	31.0218, 24.3921, 42.6083
YIQ	139.5410, 15.6750, 29.8110

Conversions

Conversions Part 2

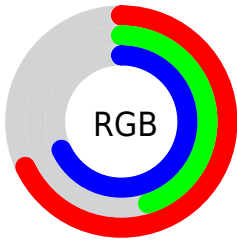
Format	Color
R _Y B	173, 116, 173
Decimal	11367597
CIE Lab	56.48, 31.85, -21.33
CIE LCh	56, 38.328, 326.194
Yxy	24.3921, 0.3165, 0.2488
Android (android.graphics.Color)	4289557677 (0xFFAD74AD)
YUV	139.5410, 16.4953, 29.3435
Hunter-Lab	49.3884, 25.6897, -16.5788

Details

The XYZ color **31.0218, 24.3921, 42.6083** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.2994, 34.8620, 21.9199**, and the grayscale version is **24.6839, 25.9694, 28.2807**.

A 20% lighter version of the original color is **60.6439, 50.6911, 80.7168**, and **13.0841, 9.2456, 18.8643** is the 20% darker color. If you saturate the color by 10%, you get **29.2106, 20.7691, 42.0047**, and if you desaturate by 10%, it is **33.2060, 28.7599, 43.3367**.

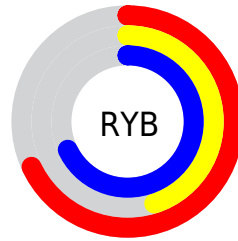
Distribution



Red (68%)

Green (45%)

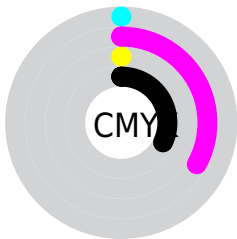
Blue (68%)



Red (68%)

Yellow (45%)

Blue (68%)

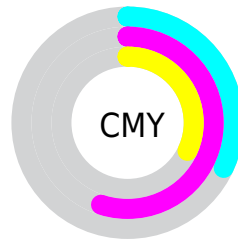


Cyan (0%)

Magenta (33%)

Yellow (0%)

Black (32%)



Cyan (32%)

Magenta (55%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0218, 24.3921, 42.6083 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 31.0218, 24.3921, 42.6083 by changing the saturation by 10% instead.

■ 31.0218, 24.3921,
42.6083

■ 31.0218, 24.3921,
42.6083

298.4638,
274.7969, 372.8722

■ 20.7674, 15.6247,
29.2488

■ 60.6500, 50.6693,
80.3994

■ 13.0655, 9.2590,
19.0219

■ 80.7545, 68.9479,
105.6681

■ 7.5510, 4.9105,
11.5091

■ 104.8730, 91.1658,
135.7436

■ 3.8584, 2.1948,
6.2919

133.3709,
117.7072, 171.0445

■ 1.6223, 0.7172,
2.9517

166.6136,
148.9566, 211.9892

■ 0.4069, 0.0000,
1.0700

204.9664,

■ 0.0000, 0.0000,

185.2984, 258.9964

0.0000

248.7947,
227.1171, 312.4845

■ 31.0218, 24.3921,
42.6083

■ 31.0218, 24.3921,
42.6083

■ 29.2106, 20.7691,
42.0047

■ 33.2060, 28.7599,
43.3367

■ 27.7492, 17.8465,
41.5175

■ 35.7798, 33.9075,
44.1947

■ 26.6159, 15.5800,
41.1397

■ 38.7617, 39.8714,
45.1888

■ 25.7854, 13.9188,
40.8627

■ 42.1685, 46.6850,
46.3245

■ 25.2285, 12.8051,
40.6770

■ 46.0159, 54.3797,
47.6070

■ 24.9106, 12.1694,
40.5710

■ 50.3188, 62.9854,
49.0414

■ 24.7767, 11.9015,
40.5263

■ 55.0914, 72.5305,
50.6323

■ 60.3473, 83.0424,
52.3844

■ 60.5369, 83.4216,
52.4477

Harmonies

Analogous

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



27.1583, 24.3921, 55.0764



31.0218, 24.3921, 42.6083



32.7832, 24.3921, 28.2143

Triad

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



31.0218, 24.3921, 42.6083



23.7550, 24.3921, 8.8758



16.3391, 24.3921, 38.8727

Complementary

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



31.0218, 24.3921, 42.6083



25.2994, 34.8620, 21.9199

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.



15.6694, 24.3921, 24.9695



31.0218, 24.3921, 42.6083



19.6176, 24.3921, 10.1117

Square

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



31.0218, 24.3921, 42.6083



28.2631, 24.3921, 10.9880



16.7918, 24.3921, 15.1502



18.7530, 24.3921, 52.4804

Rectangle

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



31.0218, 24.3921, 42.6083



32.3820, 24.3921, 20.3096



16.7918, 24.3921, 15.1502



15.9169, 24.3921, 33.9742

Sweetspot

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



31.0226, 24.3932, 42.6088



65.4846, 63.5371, 79.6181



20.9917, 19.2221, 42.1397



14.0802, 13.5059, 17.2524



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.



31.0226, 24.3932, 42.6088



52.9872, 38.5424, 75.4518



28.5522, 23.4050, 29.6001



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7721



0.5064, 0.2432, 0.8282

Inverse Universe

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



31.0226, 24.3932, 42.6088



52.9872, 38.5424, 75.4518



27.2193, 35.6299, 32.0300



8.3371, 8.1481, 10.0860



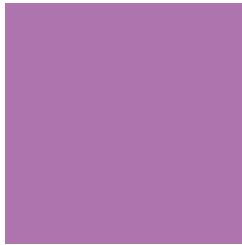
18.2019, 8.7433, 29.7721



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 31.0218, 24.3921, 42.6083 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 31.0218, 24.3921, 42.6083 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 31.0218, 24.3921, 42.6083

Background



This preview shows how black text looks on a background with the XYZ color 31.0218, 24.3921, 42.6083.



This preview shows how white text looks on a background with the XYZ color 31.0218, 24.3921,

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

31.0218, 24.3921, 42.6083

Protanopia

25.1338, 24.5884, 49.8757

Deuteranopia

25.0033, 24.5026, 41.4419



Tritanopia

27.5897, 24.4336, 25.4523

Trichromacy



Original Color

31.0218, 24.3921, 42.6083

Protanomaly

26.5773, 24.0039, 46.9485

Deuteranomaly

26.7941, 24.2300, 41.7927

Tritanomaly

28.7602, 24.3589, 31.2029

Monochromacy



Original Color

31.0218, 24.3921, 42.6083

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.7327, 25.1750, 33.1561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0218, 24.3921, 42.6083 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, 116, 173)` looks like.

```
.text, #text, p{  
    color:rgb(173, 116, 173)  
}
```

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, 116, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 116, 173) }
```

Border

The CSS property to change the border of an element to XYZ 31.0218, 24.3921, 42.6083 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, 116, 173) }
```


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

```
.border{ border-color:rgb(173, 116, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 116, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 116, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 116, 173);  
box-shadow:4px 4px 4px 4px rgb(173, 116,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0218, 24.3921, 42.6083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 116, 173) }
```

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

```
.background{ background-color: rgb(173,  
116, 173) }
```

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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