

Converting Colors

XYZ(31.3835, 24.3146, 41.9906)

Have a look what the booklet for
XYZ(31.3835, 24.3146, 41.9906)
contains.

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Color

**XYZ(31.3682, 24.2433,
42.0559)**

Conversions

Conversions Part 1

Format	Color
Hex	B072AC
RGB	176, 114, 172
RGB Percent	69%, 45%, 67%
CMY	0.3098, 0.5529, 0.3255
CMYK	0.00, 0.35, 0.02, 0.31
HSL	304°, 28%, 57%
HSV	304°, 35%, 69%
XYZ	31.3682, 24.2433, 42.0559
YIQ	139.1500, 18.3340, 31.1820

Conversions

Conversions Part 2

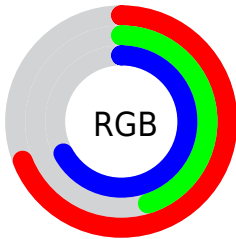
Format	Color
R _Y B	176, 114, 172
Decimal	11563692
CIE Lab	56.33, 33.76, -20.94
CIE LCh	56, 39.731, 328.185
Yxy	24.2433, 0.3212, 0.2482
Android (android.graphics.Color)	4289753772 (0xFFB072AC)
YUV	139.1500, 16.1951, 32.3175
Hunter-Lab	49.2375, 27.5531, -16.1760

Details

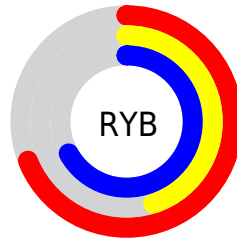
The XYZ color **31.3682, 24.2433, 42.0559** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.7358, 35.9369, 22.7210**, and the grayscale version is **24.5337, 25.8113, 28.1085**.

A 20% lighter version of the original color is **61.4266, 50.5625, 79.9208**, and **13.2496, 9.1604, 18.8391** is the 20% darker color. If you saturate the color by 10%, you get **29.4624, 20.6050, 40.8850**, and if you desaturate by 10%, it is **33.6585, 28.6480, 43.3600**.

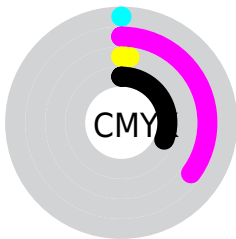
Distribution



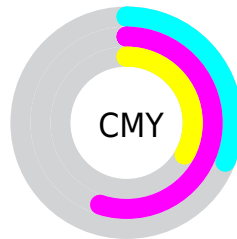
- Red (69%)
- Green (45%)
- Blue (67%)



- Red (69%)
- Yellow (45%)
- Blue (67%)



- Cyan (0%)
- Magenta (35%)
- Yellow (2%)
- Black (31%)





- Cyan (31%)
- Magenta (55%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3682, 24.2433, 42.0559 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 31.3682, 24.2433, 42.0559 by changing the saturation by 10% instead.

 31.3682, 24.2433,
42.0559


 31.3682, 24.2433,
42.0559


300.0277,
274.0482, 370.5211

 21.0326, 15.5142,
28.8192


 61.1912, 50.4269,
79.5552


 13.2604, 9.1811,
18.6997


 81.4093, 68.6503,
104.6549

 7.6864, 4.8595,
11.2789


 105.6523, 90.8071,
134.5460

 3.9450, 2.1650,
6.1382

 134.2855,
117.2819, 169.6470

 1.6711, 0.7008,
2.8591

167.6743,
148.4590, 210.3764

 0.4381, 0.0000,
1.0232

206.1840,

 0.0000, 0.0000,

184.7228, 257.1529

0.0000

250.1800,
226.4578, 310.3950

■ 31.3682, 24.2433,
42.0559

■ 31.3682, 24.2433,
42.0559

■ 29.4624, 20.6050,
40.8850

■ 33.6585, 28.6480,
43.3600

■ 27.9167, 17.6860,
39.8386

■ 36.3511, 33.8565,
44.8026

■ 26.7077, 15.4389,
38.9089


■ 39.4656, 39.9073,
46.3905


■ 25.8082, 13.8092,
38.0869


■ 43.0197, 46.8357,
48.1295


■ 25.1868, 12.7342,
37.3622


■ 47.0300, 54.6749,
50.0252


 24.8045, 12.1361,
36.7218

 51.5122, 63.4566,
52.0829

 24.6640, 11.9339,
36.4316

 56.4814, 73.2106,
54.3075

 61.9518, 83.9656,
56.7040

 62.1311, 84.1368,
57.3414

Harmonies

Analogous

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



27.4588, 24.2433, 55.4636



31.3682, 24.2433, 42.0559



33.0165, 24.2433, 27.2039

Triad

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



31.3682, 24.2433, 42.0559



23.3226, 24.2433, 8.3577



16.1173, 24.2433, 40.1963

Complementary

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



31.3682, 24.2433, 42.0559



25.7358, 35.9369, 22.7210

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.



15.3115, 24.2433, 25.6059



31.3682, 24.2433, 42.0559



19.1271, 24.2433, 9.8192

Square

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



31.3682, 24.2433, 42.0559



28.0056, 24.2433, 10.2383



16.3381, 24.2433, 15.2054



18.7035, 24.2433, 54.1633

Rectangle

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



31.3682, 24.2433, 42.0559



32.4660, 24.2433, 19.2800



16.3381, 24.2433, 15.2054



15.6456, 24.2433, 35.0795

Sweetspot

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



31.3690, 24.2444, 42.0564



68.1121, 65.6417, 82.3852



21.2045, 18.9593, 43.6167



14.6037, 13.9202, 17.7734



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.3690, 24.2444, 42.0564



54.2326, 38.8884, 74.6584



28.7977, 23.2159, 28.5162



8.8259, 8.6371, 10.5816



18.1045, 8.7594, 26.7739



0.5767, 0.2784, 0.8796

Inverse Universe

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



31.3690, 24.2444, 42.0564



54.2326, 38.8884, 74.6584



27.8189, 36.7701, 33.6906



8.8259, 8.6371, 10.5816



18.1045, 8.7594, 26.7739



0.5767, 0.2784, 0.8796

Previews

White Background



This preview shows how the XYZ color 31.3682, 24.2433, 42.0559 looks on a white background.

Color Contrast Check

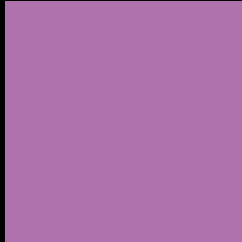
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3682, 24.2433, 42.0559 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 31.3682, 24.2433, 42.0559

Background



This preview shows how black text looks on a background with the XYZ color 31.3682, 24.2433, 42.0559.



This preview shows how white text looks on a background with the XYZ color 31.3682, 24.2433,

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

31.3682, 24.2433, 42.0559

Protanopia

25.2405, 24.6311, 50.4377

Deuteranopia

25.0647, 24.5452, 40.9528



Tritanopia

27.8509, 24.2157, 24.6789

Trichromacy



Original Color

31.3682, 24.2433, 42.0559

Protanomaly

26.8481, 24.1316, 47.4988

Deuteranomaly

26.9293, 24.1199, 41.2665

Tritanomaly

29.0187, 24.1532, 30.3267

Monochromacy



Original Color

31.3682, 24.2433, 42.0559

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.5174, 24.8750, 32.6819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3682, 24.2433, 42.0559 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(176, 114, 172)` looks like.

```
.text, #text, p{  
    color:rgb(176, 114, 172)  
}
```

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(176, 114, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 114, 172) }
```

Border

The CSS property to change the border of an element to XYZ 31.3682, 24.2433, 42.0559 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(176, 114, 172) }
```


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

```
.border{ border-color:rgb(176, 114, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 114, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 114, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 114, 172);  
box-shadow:4px 4px 4px 4px rgb(176, 114,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3682, 24.2433, 42.0559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 114, 172) }
```

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

```
.background{ background-color: rgb(176,  
114, 172) }
```

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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