

Converting Colors

XYZ(31.7473, 24.5245, 40.3351)

Have a look what the booklet for
XYZ(31.7473, 24.5245, 40.3351)
contains.

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Color

**XYZ(31.6756, 24.4455,
40.0948)**

Conversions

Conversions Part 1

Format	Color
Hex	B372A8
RGB	179, 114, 168
RGB Percent	70%, 45%, 66%
CMY	0.2980, 0.5529, 0.3412
CMYK	0.00, 0.36, 0.06, 0.30
HSL	310°, 30%, 57%
HSV	310°, 36%, 70%
XYZ	31.6756, 24.4455, 40.0948
YIQ	139.5910, 21.4060, 30.5740

Conversions

Conversions Part 2

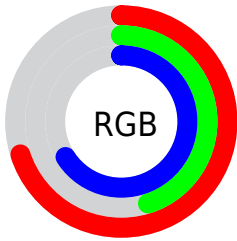
Format	Color
R _Y B	179, 114, 168
Decimal	11760296
CIE Lab	56.53, 34.02, -18.30
CIE LCh	57, 38.631, 331.726
Yxy	24.4455, 0.3292, 0.2541
Android (android.graphics.Color)	4289950376 (0xFFB372A8)
YUV	139.5910, 14.0056, 34.5617
Hunter-Lab	49.4424, 27.8330, -13.4709

Details

The XYZ color **31.6756, 24.4455, 40.0948** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.7622, 37.2990, 25.1924**, and the grayscale version is **24.7111, 25.9980, 28.3118**.

A 20% lighter version of the original color is **61.7301, 50.7980, 76.3635**, and **13.4432, 9.2877, 17.6072** is the 20% darker color. If you saturate the color by 10%, you get **29.5719, 20.6842, 38.0175**, and if you desaturate by 10%, it is **34.1825, 29.0019, 42.3395**.

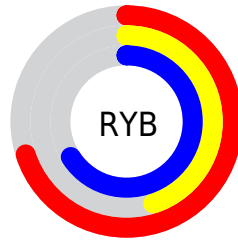
Distribution



Red (70%)

Green (45%)

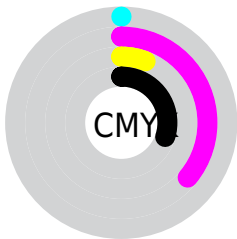
Blue (66%)



Red (70%)

Yellow (45%)

Blue (66%)

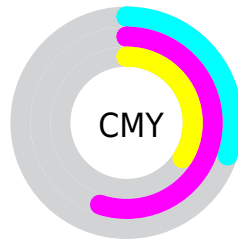


Cyan (0%)

Magenta (36%)

Yellow (6%)

Black (30%)



Cyan (30%)


Magenta (55%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6756, 24.4455, 40.0948 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 31.6756, 24.4455, 40.0948 by changing the saturation by 10% instead.

 31.6756, 24.4455,
40.0948


 31.6756, 24.4455,
40.0948


301.4105,
275.0651, 362.0869

 21.2682, 15.6644,
27.2981


 61.6708, 50.7562,
76.5465


 13.4338, 9.2870,
17.5628

 81.9893, 69.0547,
101.0386

 7.8070, 4.9289,
10.4704


 106.3423, 91.2943,
130.2663

 4.0224, 2.2056,
5.6023

 135.0949,
117.8596, 164.6481

 1.7148, 0.7230,
2.5399

168.6127,
149.1350, 204.6025

 0.4655, 0.0000,
0.8612

207.2610,

 0.0000, 0.0000,

185.5047, 250.5481

0.0000

251.4052,
227.3533, 302.9034

■ 31.6756, 24.4455,
40.0948

■ 31.6756, 24.4455,
40.0948

■ 29.5719, 20.6842,
38.0175

■ 34.1825, 29.0019,
42.3395

■ 27.8459, 17.6682,
36.0980

■ 37.1116, 34.3925,
44.7573

■ 26.4729, 15.3476,
34.3282

■ 40.4835, 40.6580,
47.3556

■ 25.4238, 13.6649,
32.6982

■ 44.3166, 47.8354,
50.1408

■ 24.6654, 12.5531,
31.1966

■ 48.6286, 55.9596,
53.1188

■ 24.1532, 11.9235,
29.8085

■ 53.4359, 65.0635,
56.2954

■ 23.9920, 11.7444,
29.3135

■ 58.7542, 75.1786,
59.6761

■ 63.8912, 84.9201,
63.0303

■ 64.2310, 85.0560,
64.8195

Harmonies

Analogous

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



28.0646, 24.4455, 53.5940



31.6756, 24.4455, 40.0948



32.9510, 24.4455, 25.8809

Triad

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



31.6756, 24.4455, 40.0948



22.9763, 24.4455, 8.7906



16.6517, 24.4455, 41.8096

Complementary

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



31.6756, 24.4455, 40.0948



26.7622, 37.2990, 25.1924

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.



15.6451, 24.4455, 27.3669



31.6756, 24.4455, 40.0948



18.9934, 24.4455, 10.6658

Square

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



31.6756, 24.4455, 40.0948



27.5581, 24.4455, 10.2671



16.4448, 24.4455, 16.5588



19.3889, 24.4455, 54.7874

Rectangle

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



31.6756, 24.4455, 40.0948



32.1896, 24.4455, 18.4903



16.4448, 24.4455, 16.5588



16.1168, 24.4455, 36.8319

Sweetspot

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



31.6764, 24.4466, 40.0953



69.4589, 67.1462, 82.5021



22.5883, 19.6380, 45.2483



15.2113, 14.5468, 18.1412



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.6764, 24.4466, 40.0953



53.5069, 38.0101, 68.6518



29.0289, 23.3876, 26.1540



8.7871, 8.6215, 10.3770



16.9746, 8.3074, 20.8238



0.5504, 0.2679, 0.7412

Inverse Universe

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



31.6764, 24.4466, 40.0953



53.5069, 38.0101, 68.6518



29.1748, 38.2640, 37.8966



8.7871, 8.6215, 10.3770



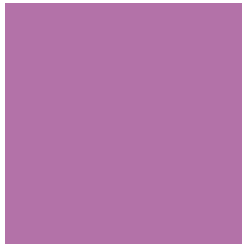
16.9746, 8.3074, 20.8238



0.5504, 0.2679, 0.7412

Previews

White Background



This preview shows how the XYZ color 31.6756, 24.4455, 40.0948 looks on a white background.

Color Contrast Check

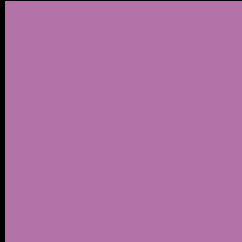
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6756, 24.4455, 40.0948 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 31.6756, 24.4455, 40.0948

Background



This preview shows how black text looks on a background with the XYZ color 31.6756, 24.4455, 40.0948.



This preview shows how white text looks on a background with the XYZ color 31.6756, 24.4455,

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

31.6756, 24.4455, 40.0948

Protanopia

25.0984, 24.6067, 48.2265

Deuteranopia

25.1707, 24.6426, 39.0272



Tritanopia

28.3897, 24.3121, 24.6691

Trichromacy



Original Color

31.6756, 24.4455, 40.0948

Protanomaly

26.9529, 24.2327, 45.3763

Deuteranomaly

27.1063, 24.2542, 39.3293

Tritanomaly

29.4170, 24.2006, 29.5063

Monochromacy



Original Color

31.6756, 24.4455, 40.0948

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.9477, 25.3046, 32.3181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6756, 24.4455, 40.0948 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(179, 114, 168)` looks like.

```
.text, #text, p{  
    color:rgb(179, 114, 168)  
}
```

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(179, 114, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 114, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.6756, 24.4455, 40.0948 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(179, 114, 168) }
```


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

```
.border{ border-color:rgb(179, 114, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 114, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 114, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 114, 168);  
box-shadow:4px 4px 4px 4px rgb(179, 114,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6756, 24.4455, 40.0948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 114, 168) }
```

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

```
.background{ background-color: rgb(179,  
114, 168) }
```

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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