

Converting Colors

XYZ(31.3896, 24.7380, 51.2646)

Have a look what the booklet for
XYZ(31.3896, 24.7380, 51.2646)
contains.

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Color

**XYZ(31.3896, 24.7380,
51.2646)**

Conversions

Conversions Part 1

Format	Color
Hex	A676BD
RGB	166, 118, 189
RGB Percent	65%, 46%, 74%
CMY	0.3490, 0.5372, 0.2588
CMYK	0.12, 0.38, 0.00, 0.26
HSL	281°, 35%, 60%
HSV	281°, 38%, 74%
XYZ	31.3896, 24.7380, 51.2646
YIQ	140.4460, 5.8170, 32.2570

Conversions

Conversions Part 2

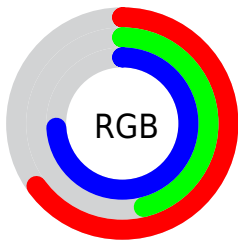
Format	Color
RYB	166, 118, 189
Decimal	10909373
CIELab	56.82, 31.73, -30.04
CIELCh	57, 43.697, 316.571
Yxy	24.7380, 0.2923, 0.2304
Android (android.graphics.Color)	4289099453 (0xFFA676BD)
YUV	140.4460, 23.9371, 22.4109
Hunter-Lab	49.7373, 25.6124, -26.2945

Details

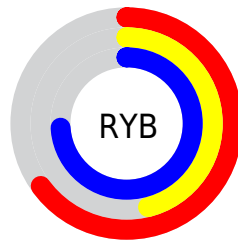
The XYZ color **31.3896, 24.7380, 51.2646** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.4530, 43.3665, 23.8008**, and the grayscale version is **25.0096, 26.3121, 28.6538**.

A 20% lighter version of the original color is **61.3217, 51.3092, 93.8604**, and **13.2503, 9.3942, 24.0366** is the 20% darker color. If you saturate the color by 10%, you get **28.1300, 20.0786, 50.5374**, and if you desaturate by 10%, it is **35.1579, 30.3228, 52.1444**.

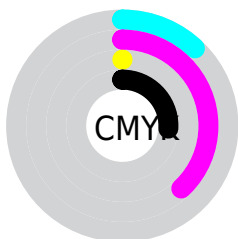
Distribution



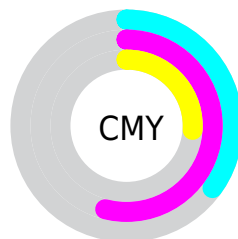
- Red (65%)
- Green (46%)
- Blue (74%)



- Red (65%)
- Yellow (46%)
- Blue (74%)



- Cyan (12%)
- Magenta (38%)
- Yellow (0%)
- Black (26%)



- Cyan (35%)
- Magenta (54%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3896, 24.7380, 51.2646 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 31.3896, 24.7380, 51.2646 by changing the saturation by 10% instead.

■ 31.3896, 24.7380,
51.2646

■ 31.3896, 24.7380,
51.2646

300.1241,
276.5306, 408.4668

■ 21.0490, 15.8820,
36.0410

■ 61.2246, 51.2319,
93.4613

■ 13.2725, 9.4407,
24.1760

■ 81.4497, 69.6385,
121.2715

■ 7.6947, 5.0297,
15.2508

■ 105.7004, 91.9974,
154.1143

■ 3.9504, 2.2647,
8.8470

134.3419,
118.6931, 192.4083

■ 1.6741, 0.7549,
4.5461

167.7397,
150.1098, 236.5720

■ 0.4400, 0.0000,
1.9295

206.2591,

■ 0.0000, 0.0000,

186.6321, 287.0240

0.5114

250.2655,
228.6442, 344.1827

■ 0.0000, 0.0000,
0.0000

■ 31.3896, 24.7380,
51.2646

■ 31.3896, 24.7380,
51.2646

■ 28.1300, 20.0786,
50.5374

■ 35.1579, 30.3228,
52.1444

■ 25.3490, 16.2875,
49.9522

■ 39.4577, 36.8795,
53.1833

■ 23.0169, 13.3059,
49.4997


■ 44.3135, 44.4550,
54.3896


■ 21.0993, 11.0665,
49.1685


■ 49.7474, 53.0923,
55.7704


■ 19.5562, 9.4903,
48.9456


■ 55.7802, 62.8318,
57.3323


 18.3291, 8.4621,
48.8118

 62.4316, 73.7121,
59.0818

 18.0536, 8.2459,
48.7846

 69.7204, 85.7694,
61.0250

 72.9645, 89.6385,
61.6008

 74.7961, 90.5828,
61.6865

Harmonies

Analogous

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



26.4260, 24.7380, 63.8836



31.3896, 24.7380, 51.2646



34.4161, 24.7380, 34.0094

Triad

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



31.3896, 24.7380, 51.2646



25.8680, 24.7380, 7.7959



15.3005, 24.7380, 35.7788

Complementary

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



31.3896, 24.7380, 51.2646



32.4530, 43.3665, 23.8008

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.



15.1961, 24.7380, 20.9175



31.3896, 24.7380, 51.2646



20.8218, 24.7380, 7.9718

Square

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



31.3896, 24.7380, 51.2646



30.9304, 24.7380, 11.2386



17.0779, 24.7380, 11.8584



17.3873, 24.7380, 52.9570

Rectangle

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



31.3896, 24.7380, 51.2646



34.6797, 24.7380, 23.8438



17.0779, 24.7380, 11.8584



15.0442, 24.7380, 30.2835

Sweetspot

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



31.3904, 24.7390, 51.2651



76.1067, 74.5028, 96.5954



26.2810, 26.7737, 51.9272



16.1113, 15.6229, 20.7089



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.3904, 24.7390, 51.2651



51.3915, 37.3800, 90.7326



35.4179, 26.9577, 45.0194



9.6213, 9.5372, 12.0060



12.2297, 5.5907, 32.8274



0.5448, 0.2529, 1.2890

Inverse Universe

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



32.2732, 25.6998, 28.4600



53.4868, 39.5188, 43.0009



29.6877, 41.8546, 27.5756



9.6541, 9.5860, 10.5678



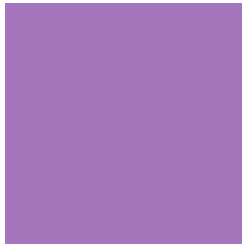
14.7225, 7.5202, 3.8326



0.6074, 0.3069, 0.3119

Previews

White Background



This preview shows how the XYZ color 31.3896, 24.7380, 51.2646 looks on a white background.

Color Contrast Check

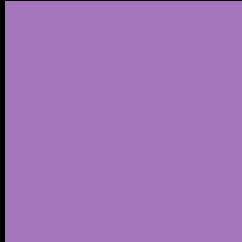
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3896, 24.7380, 51.2646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

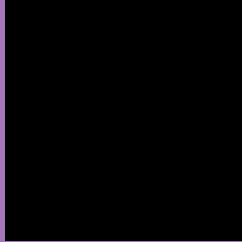
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3896, 24.7380, 51.2646

Background



This preview shows how black text looks on a background with the XYZ color 31.3896, 24.7380, 51.2646.



This preview shows how white text looks on a background with the XYZ color 31.3896, 24.7380,

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

31.3896, 24.7380, 51.2646

Protanopia

26.1252, 24.8919, 59.3048

Deuteranopia

25.5529, 25.0107, 49.9351



Tritanopia

26.6110, 24.8337, 27.8169

Trichromacy



Original Color

31.3896, 24.7380, 51.2646

Protanomaly

27.4701, 24.4561, 56.0960

Deuteranomaly

27.3011, 24.6916, 50.3407

Tritanomaly

28.1174, 24.6786, 35.1798

Monochromacy



Original Color

31.3896, 24.7380, 51.2646

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.8172, 25.3607, 35.8294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3896, 24.7380, 51.2646 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(166, 118, 189)` looks like.

```
.text, #text, p{  
    color:rgb(166, 118, 189)  
}
```

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(166, 118, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 118, 189) }
```

Border

The CSS property to change the border of an element to XYZ 31.3896, 24.7380, 51.2646 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(166, 118, 189) }
```


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

```
.border{ border-color:rgb(166, 118, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 118, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 118, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 118, 189);  
box-shadow:4px 4px 4px 4px rgb(166, 118,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3896, 24.7380, 51.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 118, 189) }
```

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

```
.background{ background-color: rgb(166,  
118, 189) }
```

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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