

Converting Colors

XYZ(30.9993, 24.5621, 50.6454)

Have a look what the booklet for
XYZ(30.9993, 24.5621, 50.6454)
contains.

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Color

**XYZ(31.0726, 24.5870,
50.6850)**

Conversions

Conversions Part 1

Format	Color
Hex	A576BC
RGB	165, 118, 188
RGB Percent	65%, 46%, 74%
CMY	0.3529, 0.5372, 0.2627
CMYK	0.12, 0.37, 0.00, 0.26
HSL	280°, 34%, 60%
HSV	280°, 37%, 74%
XYZ	31.0726, 24.5870, 50.6850
YIQ	140.0330, 5.5420, 31.7340

Conversions

Conversions Part 2

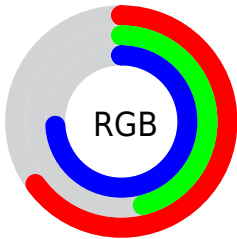
Format	Color
R _Y B	165, 118, 188
Decimal	10843836
CIE Lab	56.67, 31.21, -29.71
CIE LCh	57, 43.085, 316.410
Yxy	24.5870, 0.2922, 0.2312
Android (android.graphics.Color)	4289033916 (0xFFA576BC)
YUV	140.0330, 23.6477, 21.8961
Hunter-Lab	49.5853, 25.0827, -25.8953

Details

The XYZ color **31.0726, 24.5870, 50.6850** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.2384, 42.9377, 23.7292**, and the grayscale version is **24.8503, 26.1445, 28.4713**.

A 20% lighter version of the original color is **60.7108, 51.0296, 92.2378**, and **13.0523, 9.3002, 23.6614** is the 20% darker color. If you saturate the color by 10%, you get **27.8217, 19.9461, 49.9610**, and if you desaturate by 10%, it is **34.8285, 30.1443, 51.5601**.

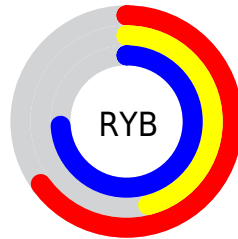
Distribution



Red (65%)

Green (46%)

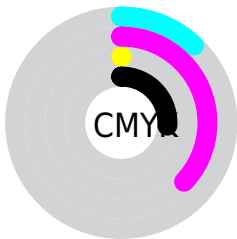
Blue (74%)



Red (65%)

Yellow (46%)

Blue (74%)

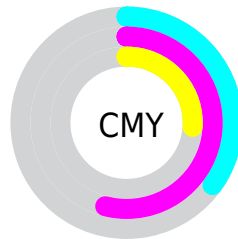


Cyan (12%)

Magenta (37%)

Yellow (0%)

Black (26%)



Cyan (35%)

Magenta (54%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0726, 24.5870, 50.6850 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 31.0726, 24.5870, 50.6850 by changing the saturation by 10% instead.

■ 31.0726, 24.5870,
50.6850

■ 31.0726, 24.5870,
50.6850

298.6936,
275.7749, 406.1503

■ 20.8062, 15.7696,
35.5830

■ 60.7294, 50.9864,
92.5957

■ 13.0941, 9.3613,
23.8252

■ 80.8506, 69.3373,
120.2415

■ 7.5708, 4.9776,
14.9930

■ 104.9874, 91.6347,
152.9056

■ 3.8711, 2.2341,
8.6679

133.5052,
118.2631, 191.0066

■ 1.6294, 0.7385,
4.4314

166.7694,
149.6070, 234.9630

■ 0.4115, 0.0000,
1.8648

205.1452,

■ 0.0000, 0.0000,

186.0506, 285.1934

0.4702

248.9982,
227.9785, 342.1163

■ 0.0000, 0.0000,
0.0000

■ 31.0726, 24.5870,
50.6850

■ 31.0726, 24.5870,
50.6850

■ 27.8217, 19.9461,
49.9610

■ 34.8285, 30.1443,
51.5601

■ 25.0459, 16.1655,
49.3775

■ 39.1119, 36.6639,
52.5927

■ 22.7162, 13.1873,
48.9255

■ 43.9468, 44.1919,
53.7910

■ 20.7987, 10.9453,
48.5938

■ 49.3550, 52.7707,
55.1618

■ 19.2540, 9.3622,
48.3696

■ 55.3571, 62.4402,
56.7119

■ 18.0267, 8.3283,
48.2347

■ 61.9726, 73.2383,
58.4474

■ 17.7153, 8.0840,
48.2040

■ 69.2201, 85.2009,
60.3745

■ 72.6910, 89.5100,
61.0233

■ 74.5329, 90.4596,
61.1095

Harmonies

Analogous

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



26.2007, 24.5870, 62.9634



31.0726, 24.5870, 50.6850



34.0514, 24.5870, 33.7991

Triad

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



31.0726, 24.5870, 50.6850



25.7092, 24.5870, 7.8997



15.2857, 24.5870, 35.3555

Complementary

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



31.0726, 24.5870, 50.6850



32.2384, 42.9377, 23.7292

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.



15.1933, 24.5870, 20.7918



31.0726, 24.5870, 50.6850



20.7495, 24.5870, 8.0566

Square

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



31.0726, 24.5870, 50.6850



30.6687, 24.5870, 11.3365



17.0575, 24.5870, 11.8869



17.3309, 24.5870, 52.1696

Rectangle

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



31.0726, 24.5870, 50.6850



34.3217, 24.5870, 23.8048



17.0575, 24.5870, 11.8869



15.0365, 24.5870, 29.9740

Sweetspot

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



31.0734, 24.5880, 50.6855



76.0654, 74.4815, 96.5935



26.1233, 26.6315, 51.3409



16.1014, 15.6178, 20.7085



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.



31.0734, 24.5880, 50.6855



51.2477, 37.3058, 90.7259



35.0876, 26.7969, 44.5710



9.6170, 9.5349, 12.0058



12.1423, 5.5457, 32.8233



0.5418, 0.2513, 1.2888

Inverse Universe

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



32.0259, 25.5722, 28.4480



53.5352, 39.5382, 43.2555



29.4621, 41.4213, 27.4453



9.6560, 9.5867, 10.5773



14.7389, 7.5267, 3.9184



0.6082, 0.3072, 0.3159

Previews

White Background



This preview shows how the XYZ color 31.0726, 24.5870, 50.6850 looks on a white background.

Color Contrast Check

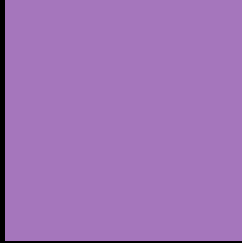
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0726, 24.5870, 50.6850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

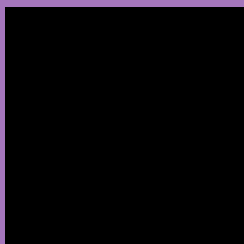
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0726, 24.5870, 50.6850

Background



This preview shows how black text looks on a background with the XYZ color 31.0726, 24.5870, 50.6850.



This preview shows how white text looks on a background with the XYZ color 31.0726, 24.5870,

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

31.0726, 24.5870, 50.6850

Protanopia

26.0071, 24.8446, 58.6831

Deuteranopia

25.3081, 24.6906, 49.3308



Tritanopia

26.2112, 24.4414, 27.3809

Trichromacy



Original Color

31.0726, 24.5870, 50.6850

Protanomaly

27.3558, 24.4104, 55.4944

Deuteranomaly

27.0633, 24.3868, 49.7351

Tritanomaly

27.7056, 24.2892, 34.6805

Monochromacy



Original Color

31.0726, 24.5870, 50.6850

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.7315, 25.3264, 35.3779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0726, 24.5870, 50.6850 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(165, 118, 188)` looks like.

```
.text, #text, p{  
    color:rgb(165, 118, 188)  
}
```

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(165, 118, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 118, 188) }
```

Border

The CSS property to change the border of an element to XYZ 31.0726, 24.5870, 50.6850 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(165, 118, 188) }
```


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

```
.border{ border-color:rgb(165, 118, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 118, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 118, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 118, 188);  
box-shadow:4px 4px 4px 4px rgb(165, 118,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0726, 24.5870, 50.6850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 118, 188) }
```

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

```
.background{ background-color: rgb(165,  
118, 188) }
```

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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