

Converting Colors

XYZ(31.3769, 25.4541, 48.2751)

Have a look what the booklet for
XYZ(31.3769, 25.4541, 48.2751)
contains.

XYZ(31.4431, 25.5535, 48.0748)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4431, 25.5535,
48.0748)**

Conversions

Conversions Part 1

Format	Color
Hex	A77AB7
RGB	167, 122, 183
RGB Percent	65%, 48%, 72%
CMY	0.3451, 0.5216, 0.2824
CMYK	0.09, 0.33, 0.00, 0.28
HSL	284°, 30%, 60%
HSV	284°, 33%, 72%
XYZ	31.4431, 25.5535, 48.0748
YIQ	142.4090, 7.2390, 28.5110

Conversions

Conversions Part 2

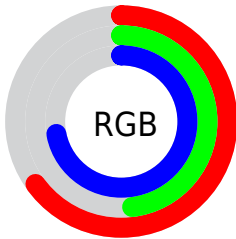
Format	Color
RYB	167, 122, 183
Decimal	10975927
CIELab	57.61, 28.52, -25.38
CIELCh	58, 38.175, 318.333
Yxy	25.5535, 0.2993, 0.2432
Android (android.graphics.Color)	4289166007 (0xFFA77AB7)
YUV	142.4090, 20.0114, 21.5663
Hunter-Lab	50.5505, 22.5662, -21.0010

Details

The XYZ color **31.4431, 25.5535, 48.0748** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.9285, 40.6760, 24.6348**, and the grayscale version is **25.7950, 27.1384, 29.5537**.

A 20% lighter version of the original color is **61.3414, 52.5799, 88.5773**, and **13.2861, 9.8238, 22.3150** is the 20% darker color. If you saturate the color by 10%, you get **28.4091, 20.9625, 47.3490**, and if you desaturate by 10%, it is **34.9396, 31.0123, 48.9446**.

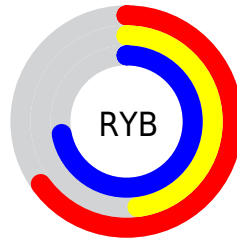
Distribution



Red (65%)

Green (48%)

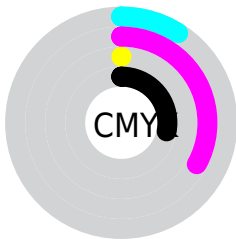
Blue (72%)



Red (65%)

Yellow (48%)

Blue (72%)

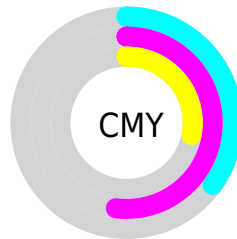


Cyan (9%)

Magenta (33%)

Yellow (0%)

Black (28%)



Cyan (35%)

Magenta (52%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4431, 25.5535, 48.0748 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 31.4431, 25.5535, 48.0748 by changing the saturation by 10% instead.

■ 31.4431, 25.5535,
48.0748

■ 31.4431, 25.5535,
48.0748

300.3651,
280.5833, 395.6058

■ 21.0900, 16.4899,
33.5257

■ 61.3081, 52.5537,
88.6825

■ 13.3026, 9.8715,
22.2551

■ 81.5507, 71.2592,
115.5781

■ 7.7157, 5.3138,
13.8443

■ 105.8205, 93.9474,
147.4264

■ 3.9638, 2.4326,
7.8750

134.4829,
121.0027, 184.6458

■ 1.6817, 0.8426,
3.9284

167.9032,
152.8096, 227.6549

■ 0.4448, 0.0000,
1.5862

206.4467,

■ 0.0000, 0.0000,

189.7524, 276.8723

0.2809

250.4789,
232.2155, 332.7164

■ 0.0000, 0.0000,
0.0000

■ 31.4431, 25.5535,
48.0748

■ 31.4431, 25.5535,
48.0748

■ 28.4091, 20.9625,
47.3490

■ 34.9396, 31.0123,
48.9446

■ 25.8107, 17.1882,
46.7574

■ 38.9183, 37.3796,
49.9639

■ 23.6223, 14.1791,
46.2919

■ 43.4009, 44.6977,
51.1402

■ 21.8142, 11.8765,
45.9428

■ 48.4069, 53.0051,
52.4798

■ 20.3522, 10.2129,
45.6987

■ 53.9549, 62.3381,
53.9888

■ 19.1957, 9.1072,
45.5463

■ 60.0623, 72.7313,
55.6730

■ 18.5389, 8.5698,
45.4771

■ 66.7459, 84.2175,
57.5378

■ 69.5952, 87.9753,
58.1130

■ 70.9433, 88.6703,
58.1761

Harmonies

Analogous

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



27.1511, 25.5535, 59.1090



31.4431, 25.5535, 48.0748



33.9249, 25.5535, 33.2156

Triad

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



31.4431, 25.5535, 48.0748



26.1041, 25.5535, 9.7668



16.8803, 25.5535, 36.4916

Complementary

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



31.4431, 25.5535, 48.0748



30.9285, 40.6760, 24.6348

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.



16.6741, 25.5535, 23.0489



31.4431, 25.5535, 48.0748



21.6333, 25.5535, 10.1477

Square

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



31.4431, 25.5535, 48.0748



30.5945, 25.5535, 12.9664



18.3098, 25.5535, 14.2474



18.9135, 25.5535, 51.1094

Rectangle

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



31.4431, 25.5535, 48.0748



34.0356, 25.5535, 24.3408



18.3098, 25.5535, 14.2474



16.6053, 25.5535, 31.6233

Sweetspot

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



31.4439, 25.5546, 48.0754



72.1441, 70.9080, 90.1199



25.7011, 25.8112, 48.4276



15.6932, 15.2695, 19.8418



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.4439, 25.5546, 48.0754



52.2530, 39.5926, 85.1238



33.6283, 26.8433, 40.8309



9.1448, 9.0410, 11.3425



13.0000, 6.0129, 31.7285



0.5130, 0.2402, 1.1211

Inverse Universe

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



31.0763, 25.8225, 27.3924



51.6823, 40.2591, 41.6894



29.4210, 39.7894, 29.5103



9.0987, 9.0499, 9.8674



14.0201, 7.1818, 2.7269



0.5206, 0.2637, 0.2347

Previews

White Background



This preview shows how the XYZ color 31.4431, 25.5535, 48.0748 looks on a white background.

Color Contrast Check

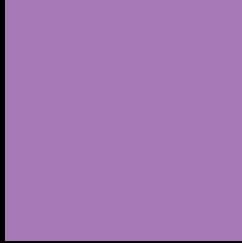
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4431, 25.5535, 48.0748 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 31.4431, 25.5535, 48.0748

Background



This preview shows how black text looks on a background with the XYZ color 31.4431, 25.5535, 48.0748.



This preview shows how white text looks on a background with the XYZ color 31.4431, 25.5535,

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

31.4431, 25.5535, 48.0748

Protanopia

26.5684, 25.8513, 54.6284

Deuteranopia

26.2483, 25.6494, 46.7474



Tritanopia

27.4883, 25.4654, 28.6658

Trichromacy



Original Color

31.4431, 25.5535, 48.0748

Protanomaly

28.0268, 25.6235, 52.1839

Deuteranomaly

27.7845, 25.4084, 47.1560

Tritanomaly

28.6944, 25.3656, 34.8362

Monochromacy



Original Color

31.4431, 25.5535, 48.0748

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.5123, 26.3416, 35.5327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4431, 25.5535, 48.0748 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(167, 122, 183)` looks like.

```
.text, #text, p{  
    color:rgb(167, 122, 183)  
}
```

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(167, 122, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 122, 183) }
```

Border

The CSS property to change the border of an element to XYZ 31.4431, 25.5535, 48.0748 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(167, 122, 183) }
```


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

```
.border{ border-color:rgb(167, 122, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 122, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 122, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 122, 183);  
box-shadow:4px 4px 4px 4px rgb(167, 122,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4431, 25.5535, 48.0748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 122, 183) }
```

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

```
.background{ background-color: rgb(167,  
122, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor