

Converting Colors

XYZ(32.0763, 25.8387, 48.7265)

Have a look what the booklet for
XYZ(32.0763, 25.8387, 48.7265)
contains.

XYZ(31.9734, 25.8148, 48.6450)	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(31.9734, 25.8148,
48.6450)**

Conversions

Conversions Part 1

Format	Color
Hex	A97AB8
RGB	169, 122, 184
RGB Percent	66%, 48%, 72%
CMY	0.3373, 0.5216, 0.2784
CMYK	0.08, 0.34, 0.00, 0.28
HSL	285°, 30%, 60%
HSV	285°, 34%, 72%
XYZ	31.9734, 25.8148, 48.6450
YIQ	143.1210, 8.1100, 29.2460

Conversions

Conversions Part 2

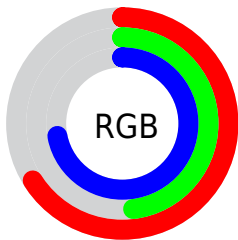
Format	Color
R _Y B	169, 122, 184
Decimal	11107000
CIE Lab	57.86, 29.37, -25.55
CIE LCh	58, 38.929, 318.985
Yxy	25.8148, 0.3004, 0.2425
Android (android.graphics.Color)	4289297080 (0xFFA97AB8)
YUV	143.1210, 20.1533, 22.6959
Hunter-Lab	50.8083, 23.4147, -21.1998

Details

The XYZ color **31.9734, 25.8148, 48.6450** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.9709, 41.0052, 24.6961**, and the grayscale version is **26.0773, 27.4353, 29.8771**.

A 20% lighter version of the original color is **62.1095, 52.9588, 89.3866**, and **13.6166, 9.9864, 22.6826** is the 20% darker color. If you saturate the color by 10%, you get **28.9858, 21.2329, 47.9185**, and if you desaturate by 10%, it is **35.4229, 31.2711, 49.5168**.

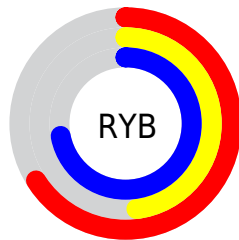
Distribution



Red (66%)

Green (48%)

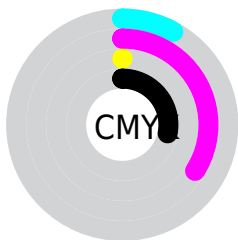
Blue (72%)



Red (66%)

Yellow (48%)

Blue (72%)

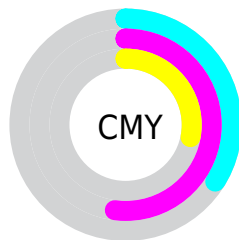


Cyan (8%)

Magenta (34%)

Yellow (0%)

Black (28%)



Cyan (34%)

Magenta (52%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9734, 25.8148, 48.6450 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 31.9734, 25.8148, 48.6450 by changing the saturation by 10% instead.

31.9734, 25.8148,
48.6450

31.9734, 25.8148,
48.6450

302.7455,
281.8718, 397.9253

21.4966, 16.6851,
33.9743

62.1349, 52.9760,
89.5395

13.6020, 10.0103,
22.5967

82.5503, 71.7764,
116.6004

7.9242, 5.4058,
14.0935

107.0093, 94.5691,
148.6285

4.0979, 2.4872,
8.0462

135.8772,
121.7385, 186.0423

1.7577, 0.8702,
4.0363

169.5194,
153.6691, 229.2603

0.4920, 0.0000,
1.6453

208.3013,

0.0000, 0.0000,

190.7453, 278.7011

0.3228

252.5882,
233.3514, 334.7833

■ 0.0000, 0.0000,
0.0000

■ 31.9734, 25.8148,
48.6450

■ 31.9734, 25.8148,
48.6450

■ 28.9858, 21.2329,
47.9185

■ 35.4229, 31.2711,
49.5168

■ 26.4331, 17.4735,
47.3274

■ 39.3545, 37.6434,
50.5395

■ 24.2892, 14.4844,
46.8634

■ 43.7900, 44.9743,
51.7207

■ 22.5239, 12.2057,
46.5166

■ 48.7492, 53.3029,
53.0670

■ 21.1026, 10.5687,
46.2756

■ 54.2508, 62.6662,
54.5843

■ 19.9838, 9.4907,
46.1264

■ 60.3124, 73.0990,
56.2785

■ 19.3801, 8.9914,
46.0619

■ 66.9510, 84.6349,
58.1553

■ 69.4826, 87.9052,
58.6531

■ 70.7253, 88.5458,
58.7113

Harmonies

Analogous

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



27.5823, 25.8148, 60.2079



31.9734, 25.8148, 48.6450



34.4739, 25.8148, 33.3263

Triad

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



31.9734, 25.8148, 48.6450



26.2964, 25.8148, 9.6385



16.9713, 25.8148, 37.3554

Complementary

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



31.9734, 25.8148, 48.6450



30.9709, 41.0052, 24.6961

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.



16.7193, 25.8148, 23.4649



31.9734, 25.8148, 48.6450



21.7230, 25.8148, 10.0999

Square

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



31.9734, 25.8148, 48.6450



30.9296, 25.8148, 12.7994



18.3522, 25.8148, 14.3582



19.0908, 25.8148, 52.3890

Rectangle

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



31.9734, 25.8148, 48.6450



34.5434, 25.8148, 24.2713



18.3522, 25.8148, 14.3582



16.6765, 25.8148, 32.3290

Sweetspot

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



31.9742, 25.8159, 48.6456



74.0694, 72.7226, 92.3376



25.6958, 25.6333, 48.9412



15.7322, 15.2896, 19.8436



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.



31.9742, 25.8159, 48.6456



54.0973, 40.8411, 87.2365



33.8421, 26.9564, 40.7107



9.1629, 9.0503, 11.3434



13.4225, 6.2307, 31.7483



0.5251, 0.2464, 1.1216

Inverse Universe

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



31.2430, 25.9167, 27.0240



52.7561, 41.1555, 41.7309



29.7188, 40.2398, 30.0573



9.0913, 9.0469, 9.8283



13.9674, 7.1607, 2.4489



0.5174, 0.2625, 0.2183

Previews

White Background



This preview shows how the XYZ color 31.9734, 25.8148, 48.6450 looks on a white background.

Color Contrast Check

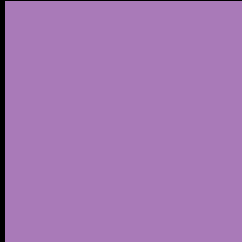
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9734, 25.8148, 48.6450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

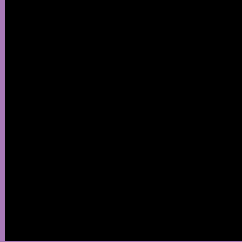
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9734, 25.8148, 48.6450

Background



This preview shows how black text looks on a background with the XYZ color 31.9734, 25.8148, 48.6450.



This preview shows how white text looks on a background with the XYZ color 31.9734, 25.8148,

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

31.9734, 25.8148, 48.6450

Protanopia

26.7946, 25.9418, 55.8196

Deuteranopia

26.4921, 25.9733, 47.3331



Tritanopia

28.0283, 25.9422, 28.7294

Trichromacy



Original Color

31.9734, 25.8148, 48.6450

Protanomaly

28.2469, 25.7116, 53.3432

Deuteranomaly

28.1964, 25.8092, 47.7515

Tritanomaly

29.3220, 25.8720, 35.3466

Monochromacy



Original Color

31.9734, 25.8148, 48.6450

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.7844, 26.4720, 35.9930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9734, 25.8148, 48.6450 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(169, 122, 184)` looks like.

```
.text, #text, p{  
    color:rgb(169, 122, 184)  
}
```

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(169, 122, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 122, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.9734, 25.8148, 48.6450 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(169, 122, 184) }
```


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

```
.border{ border-color:rgb(169, 122, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 122, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 122, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 122, 184);  
box-shadow:4px 4px 4px 4px rgb(169, 122,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9734, 25.8148, 48.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 122, 184) }
```

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

```
.background{ background-color: rgb(169,  
122, 184) }
```

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