

Converting Colors

XYZ(29.8353, 25.2324, 49.8517)

Have a look what the booklet for
XYZ(29.8353, 25.2324, 49.8517)
contains.

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Color

**XYZ(29.9068, 25.2803,
49.7577)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7DBA
RGB	156, 125, 186
RGB Percent	61%, 49%, 73%
CMY	0.3882, 0.5098, 0.2706
CMYK	0.16, 0.33, 0.00, 0.27
HSL	270°, 31%, 61%
HSV	270°, 33%, 73%
XYZ	29.9068, 25.2803, 49.7577
YIQ	141.2230, -1.1050, 25.5430

Conversions

Conversions Part 2

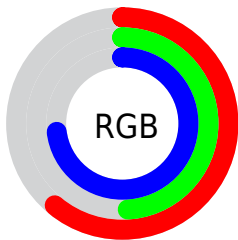
Format	Color
R_{YB}	156, 125, 186
Decimal	10255802
CIE _{Lab}	57.35, 23.93, -27.59
CIE _{LCh}	57, 36.519, 310.933
Yxy	25.2803, 0.2850, 0.2409
Android (android.graphics.Color)	4288445882 (0xFF9C7DBA)
YUV	141.2230, 22.0751, 12.9594
Hunter-Lab	50.2795, 18.1846, -23.4790

Details

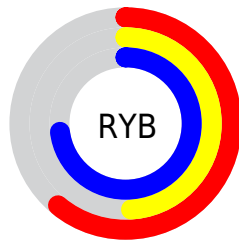
The XYZ color **29.9068, 25.2803, 49.7577** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.7790, 43.5677, 25.9795**, and the grayscale version is **25.3220, 26.6407, 29.0117**.

A 20% lighter version of the original color is **58.8114, 52.1005, 90.9611**, and **12.5270, 9.8054, 23.4227** is the 20% darker color. If you saturate the color by 10%, you get **26.0651, 20.1261, 48.9657**, and if you desaturate by 10%, it is **34.3244, 31.3871, 50.7040**.

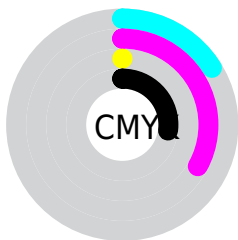
Distribution



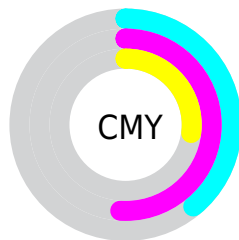
- Red (61%)
- Green (49%)
- Blue (73%)



- Red (61%)
- Yellow (49%)
- Blue (73%)



- Cyan (16%)
- Magenta (33%)
- Yellow (0%)
- Black (27%)



- Cyan (39%)
- Magenta (51%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9068, 25.2803, 49.7577 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 29.9068, 25.2803, 49.7577 by changing the saturation by 10% instead.

■ 29.9068, 25.2803,
49.7577

■ 29.9068, 25.2803,
49.7577

293.3874,
279.2310, 402.4255

■ 19.9156, 16.2860,
34.8511

■ 58.9024, 52.1116,
91.2084

■ 12.4416, 9.7268,
23.2655

■ 78.6375, 70.7174,
118.5895

■ 7.1195, 5.2182,
14.5826

■ 102.3512, 93.2958,
150.9659

■ 3.5839, 2.3758,
8.3836

130.4090,
120.2312, 188.7561

■ 1.4696, 0.8134,
4.2501

163.1762,
151.9081, 232.3786

■ 0.3050, 0.0000,
1.7635

201.0180,

■ 0.0000, 0.0000,

188.7107, 282.2520

0.4037

244.3000,
231.0235, 338.7948

■ 0.0000, 0.0000,
0.0000

■ 29.9068, 25.2803,
49.7577

■ 29.9068, 25.2803,
49.7577

■ 26.0651, 20.1261,
48.9657

■ 34.3244, 31.3871,
50.7040

■ 22.7693, 15.8706,
48.3180

■ 39.3410, 38.4904,
51.8107

■ 19.9900, 12.4591,
47.8060

■ 44.9813, 46.6350,
53.0855

■ 17.6938, 9.8294,
47.4195

■ 51.2679, 55.8620,
54.5351

■ 15.8428, 7.9103,
47.1466

■ 58.2222, 66.2102,
56.1660

■ 14.3919, 6.6168,
46.9734

■ 65.8644, 77.7167,
57.9842

■ 13.5330, 5.9527,
46.8905

■ 74.1489, 90.2864,
59.9737

■ 76.9946, 91.7534,
60.1069

■ 79.9941, 93.2997,
60.2473

Harmonies

Analogous

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



25.6422, 25.2803, 58.2059



29.9068, 25.2803, 49.7577



32.7883, 25.2803, 36.0740

Triad

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



29.9068, 25.2803, 49.7577



26.8522, 25.2803, 10.5795



16.7449, 25.2803, 32.3009

Complementary

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



29.9068, 25.2803, 49.7577



34.7790, 43.5677, 25.9795

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.



16.9863, 25.2803, 20.4477



29.9068, 25.2803, 49.7577



22.4833, 25.2803, 10.1234

Square

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



29.9068, 25.2803, 49.7577



30.8836, 25.2803, 14.6718



18.9753, 25.2803, 13.1549



18.2706, 25.2803, 46.2921

Rectangle

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



29.9068, 25.2803, 49.7577



33.3522, 25.2803, 27.1395



18.9753, 25.2803, 13.1549



16.6273, 25.2803, 27.9161

Sweetspot

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



29.9076, 25.2813, 49.7583



73.8835, 73.4602, 94.4866



29.1260, 31.5156, 51.0028



15.9634, 15.7364, 20.7386



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.



29.9076, 25.2813, 49.7583



49.3279, 39.2413, 89.1759



36.4469, 28.6525, 50.0643



8.9445, 8.9377, 11.3332



9.1912, 4.0495, 31.5503



0.3953, 0.1795, 1.1156

Inverse Universe

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



33.5005, 27.4739, 34.5487



57.0224, 43.9357, 56.6539



29.7189, 40.9591, 25.7427



9.1838, 9.0839, 10.3151



14.9454, 7.5519, 7.5991



0.5581, 0.2787, 0.4326

Previews

White Background



This preview shows how the XYZ color 29.9068, 25.2803, 49.7577 looks on a white background.

Color Contrast Check

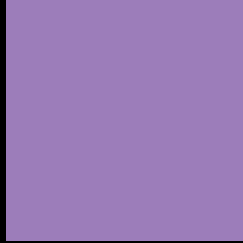
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9068, 25.2803, 49.7577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

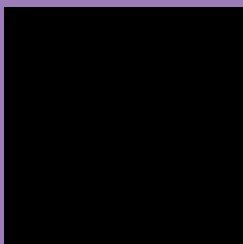
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9068, 25.2803, 49.7577

Background



This preview shows how black text looks on a background with the XYZ color 29.9068, 25.2803, 49.7577.



This preview shows how white text looks on a background with the XYZ color 29.9068, 25.2803,

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

29.9068, 25.2803, 49.7577

Protanopia

26.2875, 25.4964, 54.5747

Deuteranopia

26.0601, 25.5046, 48.8968



Tritanopia

25.8160, 25.1782, 29.8848

Trichromacy



Original Color

29.9068, 25.2803, 49.7577

Protanomaly

27.3281, 25.2507, 52.7237

Deuteranomaly

27.3247, 25.3237, 49.3467

Tritanomaly

27.1895, 25.1439, 36.2211

Monochromacy



Original Color

29.9068, 25.2803, 49.7577

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.6038, 25.8733, 35.4902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9068, 25.2803, 49.7577 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(156, 125, 186)` looks like.

```
.text, #text, p{  
    color:rgb(156, 125, 186)  
}
```

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(156, 125, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 125, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.9068, 25.2803, 49.7577 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(156, 125, 186) }
```


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

```
.border{ border-color:rgb(156, 125, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 125, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 125, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 125, 186);  
box-shadow:4px 4px 4px 4px rgb(156, 125,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9068, 25.2803, 49.7577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 125, 186) }
```

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

```
.background{ background-color: rgb(156,  
125, 186) }
```

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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