

Converting Colors

XYZ(28.8701, 26.4764, 42.5702)

Have a look what the booklet for
XYZ(28.8701, 26.4764, 42.5702)
contains.

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Color

**XYZ(28.9708, 26.5259,
42.6228)**

Conversions

Conversions Part 1

Format	Color
Hex	9985AC
RGB	153, 133, 172
RGB Percent	60%, 52%, 67%
CMY	0.4000, 0.4784, 0.3255
CMYK	0.11, 0.23, 0.00, 0.33
HSL	271°, 19%, 60%
HSV	271°, 23%, 67%
XYZ	28.9708, 26.5259, 42.6228
YIQ	143.4260, -0.5990, 16.3690

Conversions

Conversions Part 2

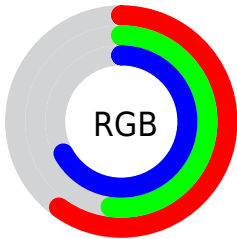
Format	Color
R_{YB}	153, 133, 172
Decimal	10061228
CIE _{Lab}	58.53, 15.23, -17.80
CIE _{LCh}	59, 23.427, 310.555
Yxy	26.5259, 0.2953, 0.2703
Android (android.graphics.Color)	4288251308 (0xFF9985AC)
YUV	143.4260, 14.0870, 8.3964
Hunter-Lab	51.5033, 10.2761, -13.0146

Details

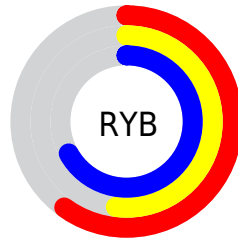
The XYZ color **28.9708, 26.5259, 42.6228** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **31.9359, 37.8745, 27.8188**, and the grayscale version is **26.2250, 27.5907, 30.0463**.

A 20% lighter version of the original color is **57.4365, 54.0738, 80.0831**, and **11.9629, 10.3674, 19.1399** is the 20% darker color. If you saturate the color by 10%, you get **25.2797, 21.4095, 41.8302**, and if you desaturate by 10%, it is **33.1602, 32.4730, 43.5503**.

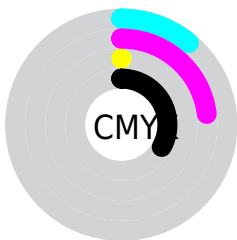
Distribution



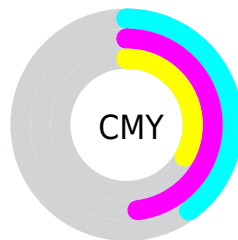
- Red (60%)
- Green (52%)
- Blue (67%)



- Red (60%)
- Yellow (52%)
- Blue (67%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9708, 26.5259, 42.6228 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 28.9708, 26.5259, 42.6228 by changing the saturation by 10% instead.

■ 28.9708, 26.5259,
42.6228

■ 28.9708, 26.5259,
42.6228

289.0738,
285.3542, 372.9338

■ 19.2029, 17.2175,
29.2601

■ 57.4286, 54.1221,
80.4216

■ 11.9219, 10.3897,
19.0304

■ 76.8492, 73.1788,
105.6947

■ 6.7623, 5.6581,
11.5152

■ 100.2180, 96.2536,
135.7750

■ 3.3589, 2.6383,
6.2960

127.9005,
123.7310, 171.0811

■ 1.3463, 0.9460,
2.9542

160.2620,
155.9953, 212.0315

■ 0.2175, 0.0000,
1.0713

197.6678,

■ 0.0000, 0.0000,

193.4311, 259.0447

0.0000

240.4833,
236.4226, 312.5393

■ 28.9708, 26.5259,
42.6228

■ 28.9708, 26.5259,
42.6228

■ 25.2797, 21.4095,
41.8302

■ 33.1602, 32.4730,
43.5503

■ 22.0635, 17.0818,
41.1644

■ 37.8652, 39.2835,
44.6169

■ 19.3004, 13.5021,
40.6191

■ 43.1050, 46.9925,
45.8287

■ 16.9655, 10.6245,
40.1867

■ 48.8973, 55.6320,
47.1910

■ 15.0316, 8.3981,
39.8589

■ 55.2588, 65.2324,
48.7088

■ 13.4676, 6.7644,
39.6260

■ 62.2055, 75.8227,
50.3868

■ 12.2368, 5.6543,
39.4766

■ 69.7527, 87.4309,
52.2296

■ 11.4903, 5.0633,
39.4018

■ 72.7335, 89.7203,
52.5144

■ 75.3344, 91.0612,
52.6361

Harmonies

Analogous

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



26.2359, 26.5259, 47.3601



28.9708, 26.5259, 42.6228



30.7788, 26.5259, 34.4664

Triad

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



28.9708, 26.5259, 42.6228



27.0931, 26.5259, 16.4011



20.1693, 26.5259, 31.8733

Complementary

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



28.9708, 26.5259, 42.6228



31.9359, 37.8745, 27.8188

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.



20.3606, 26.5259, 23.9363



28.9708, 26.5259, 42.6228



24.2152, 26.5259, 15.9703

Square

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



28.9708, 26.5259, 42.6228



29.6391, 26.5259, 19.7813



21.7934, 26.5259, 18.4663



21.2494, 26.5259, 40.4177

Rectangle

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



28.9708, 26.5259, 42.6228



31.1392, 26.5259, 28.7295



21.7934, 26.5259, 18.4663



20.0892, 26.5259, 29.0354

Sweetspot

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



28.9716, 26.5270, 42.6234



64.7740, 65.5665, 80.0474



28.4298, 30.5852, 43.4353



13.9717, 14.0967, 17.3722



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.9716, 26.5270, 42.6234



49.2260, 43.4736, 76.6025



32.8479, 28.5253, 42.8048



7.9558, 7.9515, 10.0682



8.6142, 3.8007, 29.3241



0.3026, 0.1382, 0.8187

Inverse Universe

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



31.0691, 27.8138, 33.4379



53.7689, 46.2600, 56.7403



28.6599, 36.1857, 27.6655



8.1617, 8.0779, 9.1624



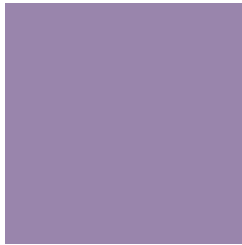
13.8731, 7.0118, 6.9774



0.4137, 0.2062, 0.3401

Previews

White Background



This preview shows how the XYZ color 28.9708, 26.5259, 42.6228 looks on a white background.

Color Contrast Check

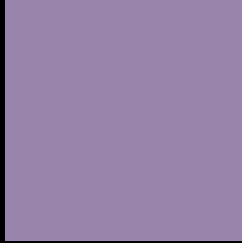
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9708, 26.5259, 42.6228 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 28.9708, 26.5259, 42.6228

Background



This preview shows how black text looks on a background with the XYZ color 28.9708, 26.5259, 42.6228.



This preview shows how white text looks on a background with the XYZ color 28.9708, 26.5259,

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

28.9708, 26.5259, 42.6228

Protanopia

26.5848, 26.5054, 44.7892

Deuteranopia

27.0866, 26.6062, 42.2360



Tritanopia

26.6854, 26.4190, 31.7099

Trichromacy



Original Color

28.9708, 26.5259, 42.6228

Protanomaly

27.4987, 26.5619, 44.2351

Deuteranomaly

27.6564, 26.4779, 42.1812

Tritanomaly

27.4676, 26.5267, 35.5707

Monochromacy



Original Color

28.9708, 26.5259, 42.6228

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.0980, 27.0014, 34.3554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9708, 26.5259, 42.6228 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(153, 133, 172)` looks like.

```
.text, #text, p{  
    color:rgb(153, 133, 172)  
}
```

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(153, 133, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 133, 172) }
```

Border

The CSS property to change the border of an element to XYZ 28.9708, 26.5259, 42.6228 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(153, 133, 172) }
```


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

```
.border{ border-color:rgb(153, 133, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 133, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 133, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 133, 172);  
box-shadow:4px 4px 4px 4px rgb(153, 133,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9708, 26.5259, 42.6228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 133, 172) }
```

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

```
.background{ background-color: rgb(153,  
133, 172) }
```

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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