

Converting Colors

XYZ(28.7265, 23.8897, 49.1623)

Have a look what the booklet for
XYZ(28.7265, 23.8897, 49.1623)
contains.

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Color

**XYZ(28.7312, 23.9498,
49.0074)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 9979B9 |
| RGB | 153, 121, 185 |
| RGB Percent | 60%, 47%, 73% |
| CMY | 0.4000, 0.5255, 0.2745 |
| CMYK | 0.17, 0.35, 0.00, 0.27 |
| HSL | 270°, 31%, 60% |
| HSV | 270°, 35%, 73% |
| XYZ | 28.7312, 23.9498, 49.0074 |
| YIQ | 137.8640, -1.4720, 26.6880 |

Conversions

Conversions Part 2

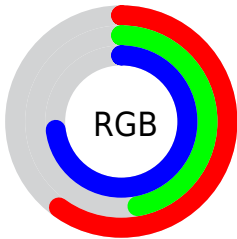
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 153, 121, 185 |
| Decimal | 10058169 |
| CIE _{Lab} | 56.04, 25.06, -29.07 |
| CIE _{LCh} | 56, 38.379, 310.760 |
| Yxy | 23.9498, 0.2825, 0.2355 |
| Android (android.graphics.Color) | 4288248249 (0xFF9979B9) |
| YUV | 137.8640, 23.2380, 13.2743 |
| Hunter-Lab | 48.9385, 19.1527, -25.1165 |

Details

The XYZ color **28.7312, 23.9498, 49.0074** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.9377, 42.8512, 24.5725**, and the grayscale version is **24.0210, 25.2720, 27.5212**.

A 20% lighter version of the original color is **57.0257, 50.0329, 89.8708**, and **11.8491, 9.0674, 22.9555** is the 20% darker color. If you saturate the color by 10%, you get **25.0163, 19.0117, 48.2504**, and if you desaturate by 10%, it is **33.0142, 29.8219, 49.9155**.

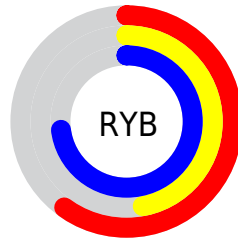
Distribution



Red (60%)

Green (47%)

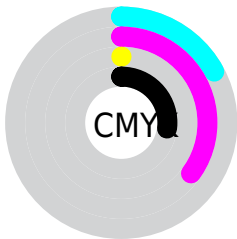
Blue (73%)



Red (60%)

Yellow (47%)

Blue (73%)

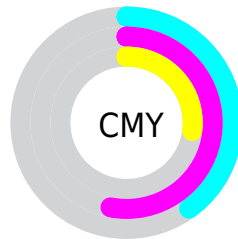


Cyan (17%)

Magenta (35%)

Yellow (0%)

Black (27%)



Cyan (40%)

Magenta (53%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7312, 23.9498, 49.0074 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 28.7312, 23.9498, 49.0074 by changing the saturation by 10% instead.

■ 28.7312, 23.9498,
49.0074

■ 28.7312, 23.9498,
49.0074

287.9617,
272.5666, 399.3948

■ 19.0208, 15.2964,
34.2597

■ 57.0503, 49.9483,
90.0835

■ 11.7894, 9.0277,
22.8142

■ 76.3897, 68.0621,
117.2491

■ 6.6716, 4.7592,
14.2524

■ 99.6695, 90.0982,
149.3910

■ 3.3021, 2.1067,
8.1557

127.2550,
116.4410, 186.9278

■ 1.3155, 0.6684,
4.1055

159.5116,
147.4748, 230.2780

■ 0.1947, 0.0000,
1.6834

196.8047,

■ 0.0000, 0.0000,

183.5841, 279.8602

0.3493

239.4996,
225.1532, 336.0930

■ 0.0000, 0.0000,
0.0000

■ 28.7312, 23.9498,
49.0074

■ 28.7312, 23.9498,
49.0074

■ 25.0163, 19.0117,
48.2504

■ 33.0142, 29.8219,
49.9155

■ 21.8393, 14.9536,
47.6346

■ 37.8886, 36.6720,
50.9808

■ 19.1706, 11.7204,
47.1512

■ 43.3792, 44.5450,
52.2110


■ 16.9764, 9.2492,
46.7898

■ 49.5086, 53.4819,
53.6130


■ 15.2179, 7.4678,
46.5387


■ 56.2982, 63.5215,
55.1930


 13.8490, 6.2890,
46.3833

 63.7684, 74.7007,
56.9570

 13.2209, 5.8040,
46.3228

 71.9386, 87.0545,
58.9110

 76.1962, 91.3540,
59.5164

 79.1928, 92.8988,
59.6567

Harmonies

Analogous

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



24.3761, 23.9498, 57.7647



28.7312, 23.9498, 49.0074



31.6991, 23.9498, 34.8815

Triad

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



28.7312, 23.9498, 49.0074



25.6598, 23.9498, 9.2648



15.4374, 23.9498, 30.8559

Complementary

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



28.7312, 23.9498, 49.0074



33.9377, 42.8512, 24.5725

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.



15.6881, 23.9498, 18.8951



28.7312, 23.9498, 49.0074



21.2237, 23.9498, 8.8084

Square

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



28.7312, 23.9498, 49.0074



29.7742, 23.9498, 13.2643



17.6854, 23.9498, 11.7182



16.9500, 23.9498, 45.2585

Rectangle

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



28.7312, 23.9498, 49.0074



32.2896, 23.9498, 25.7577



17.6854, 23.9498, 11.7182



15.3237, 23.9498, 26.3994

Sweetspot

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



28.7320, 23.9508, 49.0079



72.0750, 71.6944, 92.2442



28.0341, 30.3510, 50.2801



15.2467, 15.0393, 19.8209



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.



28.7320, 23.9508, 49.0079



45.9965, 35.6116, 86.6540



35.6025, 27.4927, 49.3295



8.9374, 8.9341, 11.3328



9.0862, 3.9953, 31.5453



0.3917, 0.1776, 1.1154

Inverse Universe

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



32.5954, 26.2898, 33.4942



54.2945, 40.6355, 53.3326



28.6861, 40.1439, 24.3268



9.1868, 9.0851, 10.3313



14.9904, 7.5699, 7.8365



0.5597, 0.2794, 0.4408

Previews

White Background



This preview shows how the XYZ color 28.7312, 23.9498, 49.0074 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 28.7312, 23.9498, 49.0074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

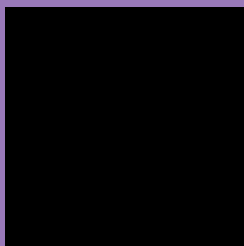
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7312, 23.9498, 49.0074

Background



This preview shows how black text looks on a background with the XYZ color 28.7312, 23.9498, 49.0074.



This preview shows how white text looks on a background with the XYZ color 28.7312, 23.9498,

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

28.7312, 23.9498, 49.0074

Protanopia

25.0591, 24.0424, 54.3588

Deuteranopia

24.6805, 24.1870, 48.1675



Tritanopia

24.5703, 23.9697, 28.1426

Trichromacy



Original Color

28.7312, 23.9498, 49.0074

Protanomaly

26.1764, 23.8671, 52.5174

Deuteranomaly

26.0177, 24.0667, 48.6215

Tritanomaly

25.9845, 23.9686, 34.7094

Monochromacy



Original Color

28.7312, 23.9498, 49.0074

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4954, 24.7087, 34.4359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7312, 23.9498, 49.0074 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, 121, 185)` looks like.

```
.text, #text, p{  
    color:rgb(153, 121, 185)  
}
```

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, 121, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 121, 185) }
```

Border

The CSS property to change the border of an element to XYZ 28.7312, 23.9498, 49.0074 is called "border". The border property can be set on classes, ids or directly on the HTML element.

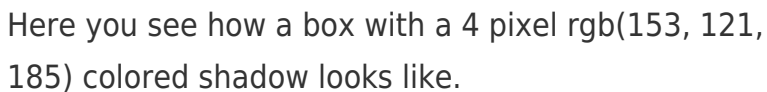
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 121, 185) }
```


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

```
.border{ border-color:rgb(153, 121, 185) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 121, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 121, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 121, 185); box-shadow:4px 4px 4px 4px rgb(153, 121, 185) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7312, 23.9498, 49.0074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 121, 185) }
```

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

```
.background{ background-color: rgb(153,  
121, 185) }
```

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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