

Converting Colors

XYZ(28.9960, 24.0003, 51.0813)

Have a look what the booklet for
XYZ(28.9960, 24.0003, 51.0813)
contains.

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Color

**XYZ(28.9716, 24.0243,
51.2543)**

Conversions

Conversions Part 1

Format	Color
Hex	9879BD
RGB	152, 121, 189
RGB Percent	60%, 47%, 74%
CMY	0.4039, 0.5255, 0.2588
CMYK	0.20, 0.36, 0.00, 0.26
HSL	267°, 34%, 61%
HSV	267°, 36%, 74%
XYZ	28.9716, 24.0243, 51.2543
YIQ	138.0210, -3.3520, 27.7200

Conversions

Conversions Part 2

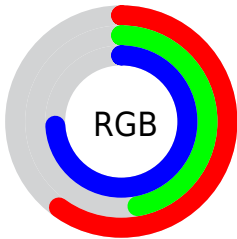
Format	Color
R_{YB}	152, 121, 189
Decimal	9992637
CIE _{Lab}	56.11, 25.67, -31.25
CIE _{LCh}	56, 40.440, 309.401
Yxy	24.0243, 0.2779, 0.2304
Android (android.graphics.Color)	4288182717 (0xFF9879BD)
YUV	138.0210, 25.1326, 12.2596
Hunter-Lab	49.0146, 19.7325, -27.6890

Details

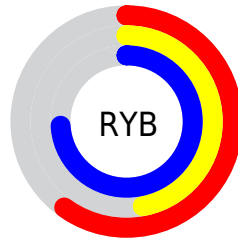
The XYZ color **28.9716, 24.0243, 51.2543** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.7500, 45.0453, 24.9006**, and the grayscale version is **24.0743, 25.3281, 27.5823**.

A 20% lighter version of the original color is **57.5027, 50.1913, 93.8459**, and **11.9461, 9.0933, 24.0472** is the 20% darker color. If you saturate the color by 10%, you get **25.0539, 18.9231, 50.4765**, and if you desaturate by 10%, it is **33.5078, 30.1134, 52.1909**.

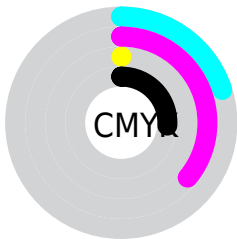
Distribution



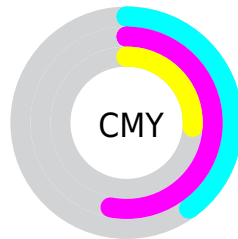
- Red (60%)
- Green (47%)
- Blue (74%)



- Red (60%)
- Yellow (47%)
- Blue (74%)



- Cyan (20%)
- Magenta (36%)
- Yellow (0%)
- Black (26%)



- Cyan (40%)
- Magenta (53%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9716, 24.0243, 51.2543 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 28.9716, 24.0243, 51.2543 by changing the saturation by 10% instead.

■ 28.9716, 24.0243,
51.2543

■ 28.9716, 24.0243,
51.2543

289.0776,
272.9433, 408.4257

■ 19.2035, 15.3516,
36.0329

■ 57.4298, 50.0699,
93.4459

■ 11.9223, 9.0666,
24.1697

■ 76.8507, 68.2115,
121.2532

■ 6.7626, 4.7846,
15.2462

■ 100.2198, 90.2784,
154.0929

■ 3.3591, 2.1214,
8.8438

127.9027,
116.6547, 192.3834

■ 1.3464, 0.6766,
4.5440

160.2645,
147.7250, 236.5435

■ 0.2175, 0.0000,
1.9283

197.6707,

■ 0.0000, 0.0000,

183.8736, 286.9915

0.5106

240.4866,
225.4849, 344.1461

■ 0.0000, 0.0000,
0.0000

■ 28.9716, 24.0243,
51.2543

■ 28.9716, 24.0243,
51.2543

■ 25.0539, 18.9231,
50.4765

■ 33.5078, 30.1134,
52.1909

■ 21.7217, 14.7518,
49.8470

■ 38.6883, 37.2381,
53.2931

■ 18.9422, 11.4510,
49.3564

■ 44.5405, 45.4464,
54.5690

■ 16.6780, 8.9527,
48.9935

■ 51.0891, 54.7823,
56.0259

■ 14.8862, 7.1781,
48.7454

■ 58.3578, 65.2876,
57.6705

■ 13.5135, 6.0279,
48.5958

■ 66.3688, 77.0017,
59.5093

■ 13.0381, 5.6603,
48.5499

■ 75.1437, 89.9622,
61.5485

■ 78.9667, 92.7328,
61.8817

■ 82.4471, 94.5270,
62.0446

Harmonies

Analogous

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



24.3214, 24.0243, 60.2852



28.9716, 24.0243, 51.2543



32.2343, 24.0243, 36.2053

Triad

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



28.9716, 24.0243, 51.2543



26.1157, 24.0243, 8.8018



15.1219, 24.0243, 30.5532

Complementary

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



28.9716, 24.0243, 51.2543



35.7500, 45.0453, 24.9006

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.



15.4665, 24.0243, 18.1667



28.9716, 24.0243, 51.2543



21.4093, 24.0243, 8.1928

Square

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



28.9716, 24.0243, 51.2543



30.4368, 24.0243, 13.0714



17.6315, 24.0243, 10.9768



16.6167, 24.0243, 45.9353

Rectangle

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



28.9716, 24.0243, 51.2543



32.9561, 24.0243, 26.4260



17.6315, 24.0243, 10.9768



15.0315, 24.0243, 25.8925

Sweetspot

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



28.9724, 24.0253, 51.2548



74.1698, 73.5043, 96.5048



29.3665, 32.3304, 52.8371



15.6481, 15.3841, 20.6873



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.



28.9724, 24.0253, 51.2548



46.3833, 35.8322, 90.6978



36.1760, 27.7388, 51.5920



9.4185, 9.4326, 11.9965



8.8583, 3.8527, 32.6697



0.4224, 0.1898, 1.2832

Inverse Universe

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



33.9959, 26.9631, 35.7612



56.9534, 42.0200, 57.8193



30.0197, 42.0912, 24.6324



9.7414, 9.6209, 11.0273



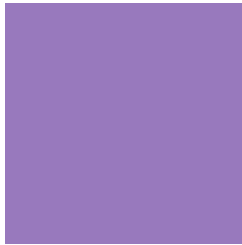
15.8010, 7.9515, 9.5114



0.6516, 0.3245, 0.5444

Previews

White Background



This preview shows how the XYZ color 28.9716, 24.0243, 51.2543 looks on a white background.

Color Contrast Check

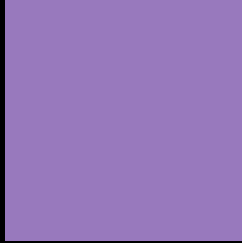
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9716, 24.0243, 51.2543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

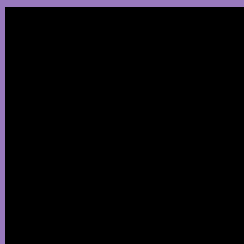
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.9716, 24.0243, 51.2543

Background



This preview shows how black text looks on a background with the XYZ color 28.9716, 24.0243, 51.2543.



This preview shows how white text looks on a background with the XYZ color 28.9716, 24.0243,

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

28.9716, 24.0243, 51.2543

Protanopia

25.2544, 24.0905, 56.7450

Deuteranopia

24.8284, 24.2145, 50.3790



Tritanopia

24.4256, 24.0850, 28.5608

Trichromacy



Original Color

28.9716, 24.0243, 51.2543

Protanomaly

26.3219, 23.8905, 54.8538

Deuteranomaly

26.1333, 24.0772, 50.8469

Tritanomaly

25.7935, 23.8504, 35.5919

Monochromacy



Original Color

28.9716, 24.0243, 51.2543

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.6648, 24.7765, 35.3280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9716, 24.0243, 51.2543 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(152, 121, 189)` looks like.

```
.text, #text, p{  
    color:rgb(152, 121, 189)  
}
```

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(152, 121, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 121, 189) }
```

Border

The CSS property to change the border of an element to XYZ 28.9716, 24.0243, 51.2543 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(152, 121, 189) }
```


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

```
.border{ border-color:rgb(152, 121, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 121, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 121, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 121, 189);  
box-shadow:4px 4px 4px 4px rgb(152, 121,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9716, 24.0243, 51.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 121, 189) }
```

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

```
.background{ background-color: rgb(152,  
121, 189) }
```

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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