

Converting Colors

XYZ(29.4825, 23.7701, 39.7059)

Have a look what the booklet for
XYZ(29.4825, 23.7701, 39.7059)
contains.

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Color

**XYZ(29.4848, 23.8374,
39.6063)**

Conversions

Conversions Part 1

Format	Color
Hex	A875A7
RGB	168, 117, 167
RGB Percent	66%, 46%, 65%
CMY	0.3412, 0.5412, 0.3451
CMYK	0.00, 0.30, 0.01, 0.34
HSL	301°, 23%, 56%
HSV	301°, 30%, 66%
XYZ	29.4848, 23.8374, 39.6063
YIQ	137.9490, 14.3460, 26.3620

Conversions

Conversions Part 2

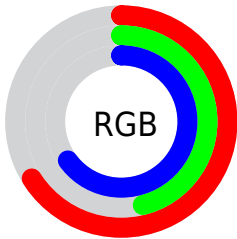
Format	Color
R _Y B	168, 117, 167
Decimal	11040167
CIE Lab	55.92, 28.45, -18.76
CIE LCh	56, 34.081, 326.601
Yxy	23.8374, 0.3173, 0.2565
Android (android.graphics.Color)	4289230247 (0xFFA875A7)
YUV	137.9490, 14.3221, 26.3547
Hunter-Lab	48.8236, 22.3558, -13.9203

Details

The XYZ color **29.4848, 23.8374, 39.6063** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.6097, 33.0960, 22.2319**, and the grayscale version is **24.0819, 25.3361, 27.5910**.

A 20% lighter version of the original color is **58.3000, 49.8707, 75.6605**, and **12.2319, 9.0169, 17.3154** is the 20% darker color. If you saturate the color by 10%, you get **27.6701, 20.2563, 38.8515**, and if you desaturate by 10%, it is **31.6524, 28.1232, 40.4796**.

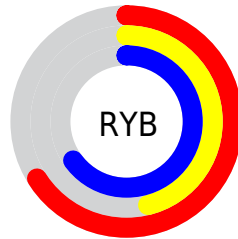
Distribution



Red (66%)

Green (46%)

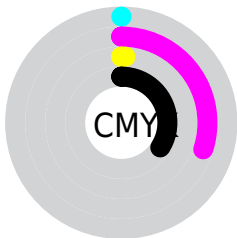
Blue (65%)



Red (66%)

Yellow (46%)

Blue (65%)

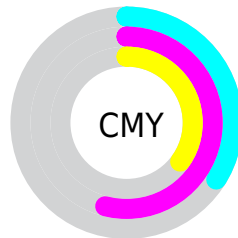


Cyan (0%)

Magenta (30%)

Yellow (1%)

Black (34%)



Cyan (34%)

Magenta (54%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4848, 23.8374, 39.6063 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 29.4848, 23.8374, 39.6063 by changing the saturation by 10% instead.

■ 29.4848, 23.8374,
39.6063

■ 29.4848, 23.8374,
39.6063

291.4487,
271.9974, 359.9640

■ 19.5940, 15.2130,
26.9203

■ 58.2387, 49.7647,
75.7941

■ 12.2068, 8.9690,
17.2814

■ 77.8325, 67.8365,
100.1330

■ 6.9579, 4.7210,
10.2713

■ 101.3913, 89.8262,
129.1933

■ 3.4819, 2.0845,
5.4712

129.2806,
116.1182, 163.3935

■ 1.4134, 0.6559,
2.4628

161.8656,
147.0969, 203.1521

■ 0.2658, 0.0000,
0.8203

199.5117,

■ 0.0000, 0.0000,

183.1468, 248.8877

0.0000

242.5843,
224.6521, 301.0188

■ 29.4848, 23.8374,
39.6063

■ 29.4848, 23.8374,
39.6063

■ 27.6701, 20.2563,
38.8515

■ 31.6524, 28.1232,
40.4796

■ 26.1872, 17.3391,
38.2075

■ 34.1879, 33.1454,
41.4757

■ 25.0164, 15.0459,
37.6678

■ 37.1085, 38.9374,
42.6005

■ 24.1347, 13.3309,
37.2249

■ 40.4293, 45.5299,
43.8591

■ 23.5164, 12.1423,
36.8702

■ 44.1648, 52.9516,
45.2564

■ 23.1307, 11.4190,
36.5934

■ 48.3288, 61.2301,
46.7968

■ 22.9134, 11.0309,
36.3784

■ 52.9343, 70.3916,
48.4848

■ 57.9939, 80.4610,
50.3246

■ 59.1613, 82.7460,
50.8673

Harmonies

Analogous

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



26.1699, 23.8374, 50.1759



29.4848, 23.8374, 39.6063



30.9640, 23.8374, 27.2444

Triad

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



29.4848, 23.8374, 39.6063



23.1026, 23.8374, 9.9178



16.6109, 23.8374, 36.7645

Complementary

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



29.4848, 23.8374, 39.6063



24.6097, 33.0960, 22.2319

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.



15.9865, 23.8374, 24.7067



29.4848, 23.8374, 39.6063



19.4730, 23.8374, 11.1376

Square

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



29.4848, 23.8374, 39.6063



27.0237, 23.8374, 11.8751



16.9737, 23.8374, 15.8675



18.7875, 23.8374, 48.2327

Rectangle

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



29.4848, 23.8374, 39.6063



30.5981, 23.8374, 20.3085



16.9737, 23.8374, 15.8675



16.2241, 23.8374, 32.5614

Sweetspot

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



29.4856, 23.8384, 39.6068



62.6317, 61.3229, 75.4931



20.8811, 19.3919, 39.6889



13.4988, 13.0642, 16.3951



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.4856, 23.8384, 39.6068



51.3557, 39.0148, 70.9829



27.3669, 22.9910, 28.4499



7.8355, 7.6640, 9.4507



17.3054, 8.3309, 27.4834



0.4230, 0.2035, 0.6788

Inverse Universe

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



29.4856, 23.8384, 39.6068



51.3557, 39.0148, 70.9829



26.3241, 33.7818, 31.2599



7.8355, 7.6640, 9.4507



17.3054, 8.3309, 27.4834



0.4230, 0.2035, 0.6788

Previews

White Background



This preview shows how the XYZ color 29.4848, 23.8374, 39.6063 looks on a white background.

Color Contrast Check

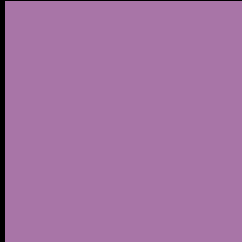
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4848, 23.8374, 39.6063 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 29.4848, 23.8374, 39.6063

Background



This preview shows how black text looks on a background with the XYZ color 29.4848, 23.8374, 39.6063.



This preview shows how white text looks on a background with the XYZ color 29.4848, 23.8374,

39.6063.

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

29.4848, 23.8374, 39.6063

Protanopia

24.4494, 24.1270, 45.4878

Deuteranopia

24.3329, 23.8185, 38.4369



Tritanopia

26.5455, 23.8953, 25.4035

Trichromacy



Original Color

29.4848, 23.8374, 39.6063

Protanomaly

25.8768, 23.7237, 43.2597

Deuteranomaly

25.9294, 23.6581, 38.7971

Tritanomaly

27.4653, 23.7184, 29.9186

Monochromacy



Original Color

29.4848, 23.8374, 39.6063

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.8019, 24.5248, 31.8076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4848, 23.8374, 39.6063 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(168, 117, 167)` looks like.

```
.text, #text, p{  
    color:rgb(168, 117, 167)  
}
```

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(168, 117, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 117, 167) }
```

Border

The CSS property to change the border of an element to XYZ 29.4848, 23.8374, 39.6063 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(168, 117, 167) }
```


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

```
.border{ border-color:rgb(168, 117, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 117, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 117, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 117, 167); box-shadow:4px 4px 4px 4px rgb(168, 117, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4848, 23.8374, 39.6063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 117, 167) }
```

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

```
.background{ background-color: rgb(168,  
117, 167) }
```

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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