

Converting Colors

XYZ(29.6126, 24.3360, 41.6648)

Have a look what the booklet for
XYZ(29.6126, 24.3360, 41.6648)
contains.

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Color

**XYZ(29.5842, 24.3725,
41.6732)**

Conversions

Conversions Part 1

Format	Color
Hex	A578AB
RGB	165, 120, 171
RGB Percent	65%, 47%, 67%
CMY	0.3529, 0.5294, 0.3294
CMYK	0.04, 0.30, 0.00, 0.33
HSL	293°, 23%, 57%
HSV	293°, 30%, 67%
XYZ	29.5842, 24.3725, 41.6732
YIQ	139.2690, 10.4490, 25.4010

Conversions

Conversions Part 2

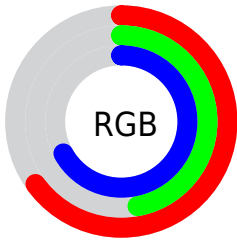
Format	Color
RYB	165, 120, 171
Decimal	10844331
CIELab	56.46, 26.53, -20.28
CIELCh	56, 33.394, 322.604
Yxy	24.3725, 0.3094, 0.2549
Android (android.graphics.Color)	4289034411 (0xFFA578AB)
YUV	139.2690, 15.6434, 22.5661
Hunter-Lab	49.3685, 20.5717, -15.4902

Details

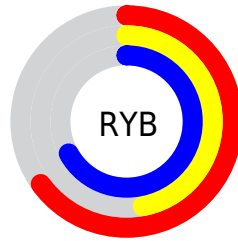
The XYZ color **29.5842, 24.3725, 41.6732** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.5580, 34.9181, 23.1105**, and the grayscale version is **24.5836, 25.8639, 28.1658**.

A 20% lighter version of the original color is **58.4898, 50.7503, 78.6645**, and **12.2651, 9.2831, 18.5981** is the 20% darker color. If you saturate the color by 10%, you get **27.2935, 20.4070, 41.0289**, and if you desaturate by 10%, it is **32.2502, 29.0780, 42.4413**.

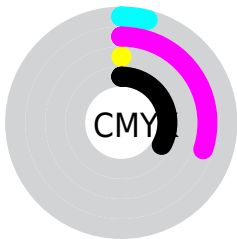
Distribution



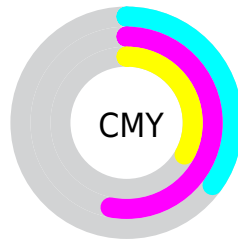
- Red (65%)
- Green (47%)
- Blue (67%)



- Red (65%)
- Yellow (47%)
- Blue (67%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)



- Cyan (35%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5842, 24.3725, 41.6732 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 29.5842, 24.3725, 41.6732 by changing the saturation by 10% instead.

■ 29.5842, 24.3725,
41.6732

■ 29.5842, 24.3725,
41.6732

291.9062,
274.6983, 368.8861

■ 19.6697, 15.6102,
28.5218

■ 58.3951, 50.6374,
78.9695

■ 12.2620, 9.2487,
18.4769

■ 78.0223, 68.9087,
103.9516

■ 6.9959, 4.9038,
11.1200

■ 101.6177, 91.1185,
133.7142

■ 3.5058, 2.1909,
6.0324

129.5468,
117.6512, 168.6761

■ 1.4266, 0.7150,
2.7957

162.1748,
148.8911, 209.2557

■ 0.2750, 0.0000,
0.9913

199.8671,

■ 0.0000, 0.0000,

185.2227, 255.8715

0.0000

242.9891,
227.0303, 308.9421

■ 29.5842, 24.3725,
41.6732

■ 29.5842, 24.3725,
41.6732

■ 27.2935, 20.4070,
41.0289

■ 32.2502, 29.0780,
42.4413

■ 25.3564, 17.1393,
40.5002

■ 35.3075, 34.5565,
43.3376

■ 23.7521, 14.5276,
40.0807

■ 38.7736, 40.8430,
44.3684

■ 22.4569, 12.5245,
39.7623

■ 42.6646, 47.9692,
45.5388

■ 21.4439, 11.0763,
39.5362

■ 46.9954, 55.9653,
46.8539

■ 20.6814, 10.1194,
39.3917

■ 51.7805, 64.8597,
48.3185

■ 20.1016, 9.5185,
39.3062

■ 57.0334, 74.6799,
49.9372

■ 20.0917, 9.5085,
39.3048

■ 62.1891, 84.2955,
51.5214

■ 62.6645, 84.5406,
51.5437

Harmonies

Analogous

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



26.1403, 24.3725, 51.4300



29.5842, 24.3725, 41.6732



31.3430, 24.3725, 29.3722

Triad

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



29.5842, 24.3725, 41.6732



24.1351, 24.3725, 10.5338



16.9604, 24.3725, 35.5860

Complementary

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



29.5842, 24.3725, 41.6732



26.5580, 34.9181, 23.1105

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.



16.5503, 24.3725, 23.8913



29.5842, 24.3725, 41.6732



20.4251, 24.3725, 11.3409

Square

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



29.5842, 24.3725, 41.6732



27.9774, 24.3725, 12.9672



17.7493, 24.3725, 15.5979



18.9393, 24.3725, 47.2883

Rectangle

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



29.5842, 24.3725, 41.6732



31.1998, 24.3725, 22.1595



17.7493, 24.3725, 15.5979



16.6442, 24.3725, 31.4572

Sweetspot

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



29.5850, 24.3736, 41.6737



63.6223, 62.5902, 77.7297



22.6609, 22.0616, 41.5924



14.0032, 13.6246, 17.2794



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.



29.5850, 24.3736, 41.6737



50.1179, 38.6718, 73.8248



29.2039, 24.3687, 32.9999



8.2429, 8.0995, 10.0816



15.1749, 7.1828, 29.6311



0.4478, 0.2130, 0.8255

Inverse Universe

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



27.2777, 23.5982, 22.8569



45.3657, 37.0939, 34.2088



26.9477, 34.9748, 29.6428



8.0421, 8.0301, 8.5328



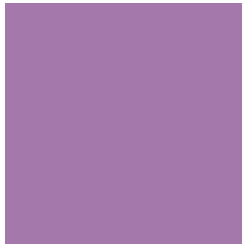
12.7674, 6.5695, 1.1546



0.3670, 0.1875, 0.0944

Previews

White Background



This preview shows how the XYZ color 29.5842, 24.3725, 41.6732 looks on a white background.

Color Contrast Check

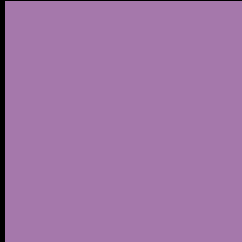
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5842, 24.3725, 41.6732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

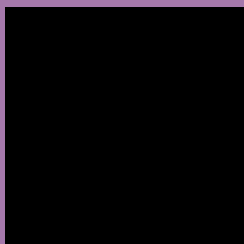
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5842, 24.3725, 41.6732

Background



This preview shows how black text looks on a background with the XYZ color 29.5842, 24.3725, 41.6732.



This preview shows how white text looks on a background with the XYZ color 29.5842, 24.3725,

41.6732.

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

29.5842, 24.3725, 41.6732

Protanopia

24.8916, 24.5240, 47.1377

Deuteranopia

25.0647, 24.5452, 40.9528



Tritanopia

26.5305, 24.4299, 26.6097

Trichromacy



Original Color

29.5842, 24.3725, 41.6732

Protanomaly

26.2673, 24.2781, 44.8967

Deuteranomaly

26.4765, 24.2699, 41.3193

Tritanomaly

27.5328, 24.2666, 31.6666

Monochromacy



Original Color

29.5842, 24.3725, 41.6732

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.0499, 25.0328, 32.7370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5842, 24.3725, 41.6732 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(165, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(165, 120, 171)  
}
```

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(165, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 120, 171) }
```

Border

The CSS property to change the border of an element to XYZ 29.5842, 24.3725, 41.6732 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(165, 120, 171) }
```


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

```
.border{ border-color:rgb(165, 120, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 120, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 120, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 120, 171);  
box-shadow:4px 4px 4px 4px rgb(165, 120,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5842, 24.3725, 41.6732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 120, 171) }
```

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

```
.background{ background-color: rgb(165,  
120, 171) }
```

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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