

Converting Colors

XYZ(25.5806, 16.9271, 37.2325)

Have a look what the booklet for
XYZ(25.5806, 16.9271, 37.2325)
contains.

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Color

**XYZ(25.4440, 16.8219,
37.0279)**

Conversions

Conversions Part 1

Format	Color
Hex	A652A4
RGB	166, 82, 164
RGB Percent	65%, 32%, 64%
CMY	0.3490, 0.6784, 0.3569
CMYK	0.00, 0.51, 0.01, 0.35
HSL	301°, 34%, 49%
HSV	301°, 51%, 65%
XYZ	25.4440, 16.8219, 37.0279
YIQ	116.4640, 23.7420, 43.3100

Conversions

Conversions Part 2

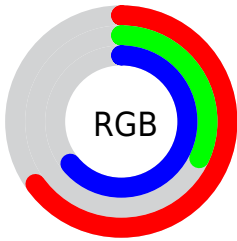
Format	Color
RYB	166, 82, 164
Decimal	10900132
CIELab	48.03, 46.23, -29.20
CIElCh	48, 54.679, 327.728
Yxy	16.8219, 0.3209, 0.2121
Android (android.graphics.Color)	4289090212 (0xFFA652A4)
YUV	116.4640, 23.4352, 43.4431
Hunter-Lab	41.0145, 38.9599, -24.8169

Details

The XYZ color **25.4440, 16.8219, 37.0279** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.7168, 29.7070, 13.1360**, and the grayscale version is **16.6686, 17.5366, 19.0974**.

A 20% lighter version of the original color is **51.8816, 38.1304, 71.6433**, and **10.0461, 5.4933, 15.8601** is the 20% darker color. If you saturate the color by 10%, you get **24.3049, 14.6003, 36.4725**, and if you desaturate by 10%, it is **26.8872, 19.6506, 37.6855**.

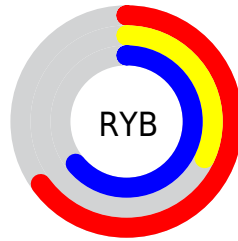
Distribution



Red (65%)

Green (32%)

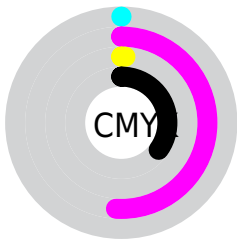
Blue (64%)



Red (65%)

Yellow (32%)

Blue (64%)

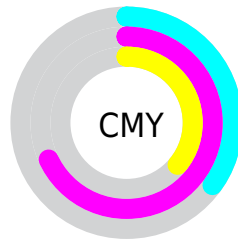


Cyan (0%)

Magenta (51%)

Yellow (1%)

Black (35%)



Cyan (35%)


Magenta (68%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.4440, 16.8219, 37.0279 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 25.4440, 16.8219, 37.0279 by changing the saturation by 10% instead.


 25.4440, 16.8219,
37.0279


 25.4440, 16.8219,
37.0279


272.3490,
234.1439, 348.6036


 16.5386, 10.1076,
24.9331


 51.8143, 38.0193,
71.8025


 9.9994, 5.4704,
15.8087


 70.0100, 53.2712,
95.3194


 5.4608, 2.5258,
9.2360


 92.0332, 72.1377,
123.4808

 2.5576, 0.8895,
4.7965

 118.2492, 95.0033,
156.7052

 0.9244, 0.0000,
2.0717

 149.0235,
122.2523, 195.4111

 0.0000, 0.0000,
0.5989

184.7213,

 0.0000, 0.0000,

154.2692, 240.0172

0.0000

225.7080,
191.4382, 290.9418

■ 25.4440, 16.8219,
37.0279

■ 25.4440, 16.8219,
37.0279

■ 24.3049, 14.6003,
36.4725

■ 26.8872, 19.6506,
37.6855

■ 23.4459, 12.9392,
36.0108

■ 28.6527, 23.1242,
38.4510

■ 22.8424, 11.7888,
35.6348

■ 30.7594, 27.2800,
39.3308

■ 22.4645, 11.0896,
35.3346

■ 33.2242, 32.1519,
40.3305

■ 22.2519, 10.7174,
35.1005

■ 36.0629, 37.7714,
41.4553

■ 39.2904, 44.1682,
42.7103

■ 42.9206, 51.3704,
44.1001

■ 46.9670, 59.4047,
45.6292

■ 51.4423, 68.2966,
47.3018

Harmonies

Analogous

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



20.8299, 16.8219, 54.5083



25.4440, 16.8219, 37.0279



27.4870, 16.8219, 19.4164

Triad

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



25.4440, 16.8219, 37.0279



16.3684, 16.8219, 2.3607



8.9663, 16.8219, 34.1198

Complementary

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



25.4440, 16.8219, 37.0279



18.7168, 29.7070, 13.1360

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.



8.2494, 16.8219, 17.2583



25.4440, 16.8219, 37.0279



11.9625, 16.8219, 3.2445

Square

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



25.4440, 16.8219, 37.0279



21.6180, 16.8219, 3.5968



9.2250, 16.8219, 7.2894



11.4328, 16.8219, 52.3065

Rectangle

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



25.4440, 16.8219, 37.0279



26.8551, 16.8219, 11.2165



9.2250, 16.8219, 7.2894



8.5381, 16.8219, 27.9152

Sweetspot

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



25.4446, 16.8227, 37.0282



58.1224, 54.0498, 72.3186



13.5037, 10.6458, 37.4200



12.8058, 11.6983, 16.1019



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.



25.4446, 16.8227, 37.0282



43.8395, 25.9717, 66.0541



22.2940, 15.5624, 20.4375



7.8341, 7.6635, 9.4435



17.2576, 8.3118, 27.2319



0.4222, 0.2032, 0.6748

Inverse Universe

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



25.4446, 16.8227, 37.0282



43.8395, 25.9717, 66.0541



20.8439, 30.5578, 24.3368



7.8341, 7.6635, 9.4435



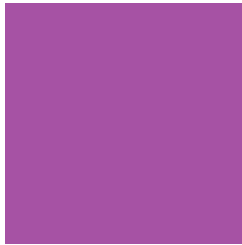
17.2576, 8.3118, 27.2319



0.4222, 0.2032, 0.6748

Previews

White Background



This preview shows how the XYZ color 25.4440, 16.8219, 37.0279 looks on a white background.

Color Contrast Check

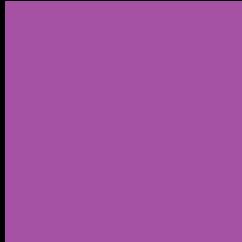
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.4440, 16.8219, 37.0279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

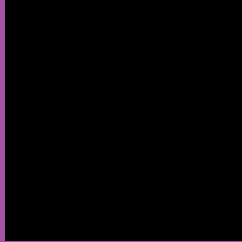
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.4440, 16.8219, 37.0279

Background



This preview shows how black text looks on a background with the XYZ color 25.4440, 16.8219, 37.0279.



This preview shows how white text looks on a background with the XYZ color 25.4440, 16.8219,

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

25.4440, 16.8219, 37.0279

Protanopia

18.5468, 17.1015, 50.4675

Deuteranopia

17.4187, 17.0228, 35.1686



Tritanopia

21.0715, 16.9198, 15.2520

Trichromacy



Original Color

25.4440, 16.8219, 37.0279

Protanomaly

19.7020, 16.1134, 45.2518

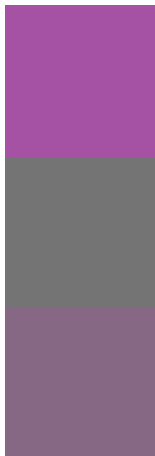
Deuteranomaly

19.4966, 16.3610, 35.8486

Tritanomaly

22.4933, 16.8420, 21.8040

Monochromacy



Original Color

25.4440, 16.8219, 37.0279

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.0155, 16.6624, 24.4042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4440, 16.8219, 37.0279 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(166, 82, 164)` looks like.

```
.text, #text, p{  
    color:rgb(166, 82, 164)  
}
```

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(166, 82, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 82, 164) }
```

Border

The CSS property to change the border of an element to XYZ 25.4440, 16.8219, 37.0279 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(166, 82, 164) }
```


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

```
.border{ border-color:rgb(166, 82, 164) }
```

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

Here you see how a box with a 4 pixel rgb(166, 82, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 82, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 82, 164);  
box-shadow:4px 4px 4px 4px rgb(166, 82,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4440, 16.8219, 37.0279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 82, 164) }
```

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

```
.background{ background-color: rgb(166, 82,  
164) }
```

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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