

Converting Colors

XYZ(25.2216, 16.0647, 36.8934)

Have a look what the booklet for
XYZ(25.2216, 16.0647, 36.8934)
contains.

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Color

**XYZ(25.2216, 16.0647,
36.8934)**

Conversions

Conversions Part 1

Format	Color
Hex	A74CA4
RGB	167, 76, 164
RGB Percent	65%, 30%, 64%
CMY	0.3451, 0.7019, 0.3569
CMYK	0.00, 0.54, 0.02, 0.35
HSL	302°, 37%, 48%
HSV	302°, 54%, 65%
XYZ	25.2216, 16.0647, 36.8934
YIQ	113.2410, 25.9880, 46.6600

Conversions

Conversions Part 2

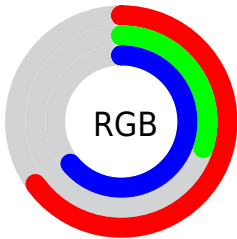
Format	Color
R_{YB}	167, 76, 164
Decimal	10964132
CIE _{Lab}	47.06, 49.50, -30.71
CIE _{LCh}	47, 58.248, 328.184
Yxy	16.0647, 0.3226, 0.2055
Android (android.graphics.Color)	4289154212 (0xFFA74CA4)
YUV	113.2410, 25.0242, 47.1466
Hunter-Lab	40.0808, 42.1831, -26.5185

Details

The XYZ color **25.2216, 16.0647, 36.8934** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.2112, 29.7390, 12.1785**, and the grayscale version is **15.6907, 16.5079, 17.9771**.

A 20% lighter version of the original color is **51.3769, 36.6623, 71.3865**, and **9.8396, 5.0803, 15.7912** is the 20% darker color. If you saturate the color by 10%, you get **24.1674, 14.0354, 36.2973**, and if you desaturate by 10%, it is **26.5757, 18.6928, 37.5908**.

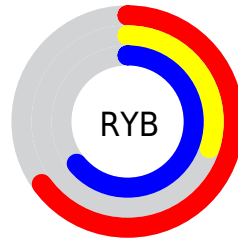
Distribution



Red (65%)

Green (30%)

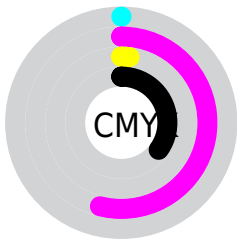
Blue (64%)



Red (65%)

Yellow (30%)

Blue (64%)

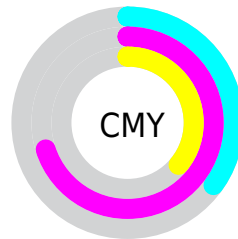


Cyan (0%)

Magenta (54%)

Yellow (2%)

Black (35%)



Cyan (35%)


Magenta (70%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2216, 16.0647, 36.8934 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 25.2216, 16.0647, 36.8934 by changing the saturation by 10% instead.


 25.2216, 16.0647,
36.8934


 25.2216, 16.0647,
36.8934


271.2671,
229.7232, 348.0036

 16.3718, 9.5699,
24.8298


 51.4568, 36.7105,
71.5933


 9.8802, 5.1148,
15.7324


 69.5730, 51.6303,
95.0667


 5.3812, 2.3148,
9.1827


 91.5086, 70.1273,
123.1805

 2.5097, 0.7815,
4.7621

 117.6292, 92.5858,
156.3531

 0.9001, 0.0000,
2.0521

 148.2999,
119.3903, 195.0032

 0.0000, 0.0000,
0.5870

183.8862,

 0.0000, 0.0000,

150.9251, 239.5493

0.0000

224.7535,
187.5746, 290.4099

■ 25.2216, 16.0647,
36.8934

■ 25.2216, 16.0647,
36.8934

■ 24.1674, 14.0354,
36.2973

■ 26.5757, 18.6928,
37.5908

■ 23.3879, 12.5554,
35.7937

■ 28.2492, 21.9597,
38.3956

■ 22.8564, 11.5712,
35.3738

■ 30.2619, 25.9045,
39.3145

■ 22.5401, 11.0168,
35.0267

■ 32.6313, 30.5626,
40.3534

■ 22.4132, 10.8063,
34.8517

■ 35.3740, 35.9668,
41.5178

■ 38.5053, 42.1480,
42.8129

■ 42.0399, 49.1353,
44.2434

■ 45.9915, 56.9563,
45.8139

■ 50.3733, 65.6374,
47.5290

Harmonies

Analogous

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



20.3904, 16.0647, 55.8159



25.2216, 16.0647, 36.8934



27.3321, 16.0647, 18.3980

Triad

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



25.2216, 16.0647, 36.8934



15.5823, 16.0647, 1.7533



8.1479, 16.0647, 34.4129

Complementary

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



25.2216, 16.0647, 36.8934



18.2112, 29.7390, 12.1785

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.



7.4090, 16.0647, 16.6157



25.2216, 16.0647, 36.8934



11.0861, 16.0647, 2.5714

Square

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



25.2216, 16.0647, 36.8934



21.0509, 16.0647, 2.8277



8.3544, 16.0647, 6.4625



10.6565, 16.0647, 53.9068

Rectangle

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



25.2216, 16.0647, 36.8934



26.6228, 16.0647, 10.1035



8.3544, 16.0647, 6.4625



7.7128, 16.0647, 27.8135

Sweetspot

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



25.2222, 16.0654, 36.8937



57.6271, 53.1355, 71.9182



12.6627, 9.5591, 37.7374



12.7024, 11.5102, 16.0098



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.



25.2222, 16.0654, 36.8937



43.0128, 24.6221, 64.8419



21.9106, 14.7408, 19.4553



7.8311, 7.6623, 9.4276



17.1543, 8.2704, 26.6880



0.4205, 0.2025, 0.6661

Inverse Universe

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



25.2222, 16.0654, 36.8937



43.0128, 24.6221, 64.8419



20.3761, 30.6050, 23.5786



7.8311, 7.6623, 9.4276



17.1543, 8.2704, 26.6880



0.4205, 0.2025, 0.6661

Previews

White Background



This preview shows how the XYZ color 25.2216, 16.0647, 36.8934 looks on a white background.

Color Contrast Check

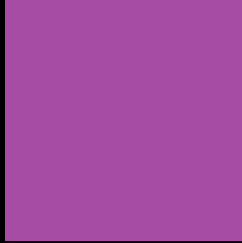
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2216, 16.0647, 36.8934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

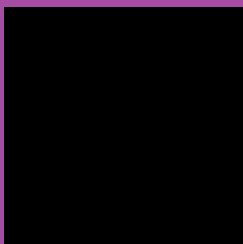
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.2216, 16.0647, 36.8934

Background



This preview shows how black text looks on a background with the XYZ color 25.2216, 16.0647, 36.8934.



This preview shows how white text looks on a background with the XYZ color 25.2216, 16.0647,

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

25.2216, 16.0647, 36.8934

Protanopia

17.9959, 16.2834, 52.6466

Deuteranopia

16.6799, 16.3243, 34.6195



Tritanopia

20.4646, 16.1005, 13.8335

Trichromacy



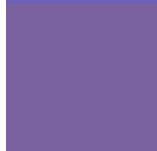
Original Color

25.2216, 16.0647, 36.8934



Protanomaly

18.9025, 15.1149, 46.1772



Deuteranomaly

18.7389, 15.4110, 35.2447



Tritanomaly

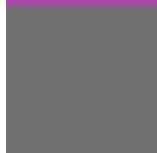
21.8836, 15.9278, 20.6599

Monochromacy



Original Color

25.2216, 16.0647, 36.8934



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

18.3949, 15.7668, 23.9036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2216, 16.0647, 36.8934 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(167, 76, 164)` looks like.

```
.text, #text, p{  
    color:rgb(167, 76, 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(167, 76, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 76, 164) }
```

Border

The CSS property to change the border of an element to XYZ 25.2216, 16.0647, 36.8934 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(167, 76, 164) }
```


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

```
.border{ border-color:rgb(167, 76, 164) }
```

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

Here you see how a box with a 4 pixel rgb(167, 76, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 76, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 76, 164);  
box-shadow:4px 4px 4px 4px rgb(167, 76,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2216, 16.0647, 36.8934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 76, 164) }
```

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

```
.background{ background-color: rgb(167, 76,  
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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