

Converting Colors

XYZ(25.1162, 16.3956, 36.4665)

Have a look what the booklet for
XYZ(25.1162, 16.3956, 36.4665)
contains.

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Color

**XYZ(25.2054, 16.4887,
36.5045)**

Conversions

Conversions Part 1

Format	Color
Hex	A650A3
RGB	166, 80, 163
RGB Percent	65%, 31%, 64%
CMY	0.3490, 0.6863, 0.3608
CMYK	0.00, 0.52, 0.02, 0.35
HSL	302°, 35%, 48%
HSV	302°, 52%, 65%
XYZ	25.2054, 16.4887, 36.5045
YIQ	115.1760, 24.6130, 44.0450

Conversions

Conversions Part 2

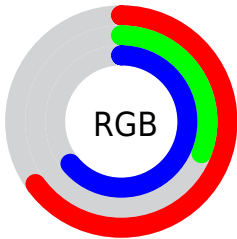
Format	Color
R _Y B	166, 80, 163
Decimal	10899619
CIE _{Lab}	47.61, 47.06, -29.27
CIE _{LCh}	48, 55.416, 328.119
Y _{xy}	16.4887, 0.3223, 0.2109
Android (android.graphics.Color)	4289089699 (0xFFA650A3)
YUV	115.1760, 23.5772, 44.5726
Hunter-Lab	40.6063, 39.7387, -24.8765

Details

The XYZ color **25.2054, 16.4887, 36.5045** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.5066, 29.6030, 12.9232**, and the grayscale version is **16.2752, 17.1228, 18.6467**.

A 20% lighter version of the original color is **51.4738, 37.5250, 70.8597**, and **9.9207, 5.3312, 15.5451** is the 20% darker color. If you saturate the color by 10%, you get **24.0852, 14.3307, 35.8758**, and if you desaturate by 10%, it is **26.6273, 19.2488, 37.2352**.

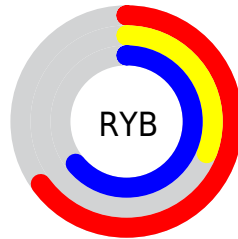
Distribution



Red (65%)

Green (31%)

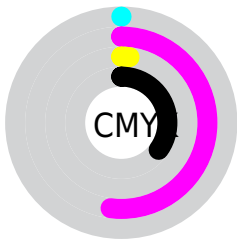
Blue (64%)



Red (65%)

Yellow (31%)

Blue (64%)

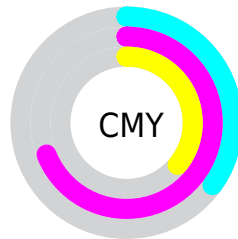


Cyan (0%)

Magenta (52%)

Yellow (2%)

Black (35%)



Cyan (35%)


Magenta (69%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2054, 16.4887, 36.5045 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 25.2054, 16.4887, 36.5045 by changing the saturation by 10% instead.


 25.2054, 16.4887,
36.5045


 25.2054, 16.4887,
36.5045


271.1881,
232.2084, 346.2641


 16.3597, 9.8706,
24.5313


 51.4307, 37.4446,
70.9878

 9.8715, 5.3133,
15.5124


 69.5411, 52.5511,
94.3350


 5.3755, 2.4322,
9.0292


 91.4704, 71.2560,
122.3107

 2.5062, 0.8424,
4.6631

 117.5839, 93.9435,
155.3333

 0.8984, 0.0000,
1.9957

 148.2471,
120.9981, 193.8214

 0.0000, 0.0000,
0.5527

183.8253,

 0.0000, 0.0000,

152.8042, 238.1936

0.0000

224.6839,
189.7462, 288.8683

■ 25.2054, 16.4887,
36.5045

■ 25.2054, 16.4887,
36.5045

■ 24.0852, 14.3307,
35.8758

■ 26.6273, 19.2488,
37.2352

■ 23.2423, 12.7275,
35.3405

■ 28.3693, 22.6492,
38.0737

■ 22.6518, 11.6285,
34.8906

■ 30.4505, 26.7276,
39.0264

■ 22.2830, 10.9727,
34.5157

■ 32.8879, 31.5181,
40.0991

■ 22.0895, 10.6525,
34.2456

■ 35.6976, 37.0526,
41.2970

■ 38.8944, 43.3611,
42.6251

■ 42.4924, 50.4716,
44.0881

■ 46.5052, 58.4112,
45.6906

■ 50.9454, 67.2054,
47.4368

Harmonies

Analogous

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



20.5909, 16.4887, 54.2425



25.2054, 16.4887, 36.5045



27.2175, 16.4887, 18.8616

Triad

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



25.2054, 16.4887, 36.5045



15.9860, 16.4887, 2.1772



8.6961, 16.4887, 34.0772

Complementary

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



25.2054, 16.4887, 36.5045



18.5066, 29.6030, 12.9232

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.



7.9638, 16.4887, 17.0749



25.2054, 16.4887, 36.5045



11.6064, 16.4887, 3.0584

Square

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



25.2054, 16.4887, 36.5045



21.2458, 16.4887, 3.3412



8.9084, 16.4887, 7.0743



11.1698, 16.4887, 52.3970

Rectangle

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



25.2054, 16.4887, 36.5045



26.5496, 16.4887, 10.7500



8.9084, 16.4887, 7.0743



8.2643, 16.4887, 27.8168

Sweetspot

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



25.2060, 16.4894, 36.5048



57.6186, 53.1321, 71.8731



13.3079, 10.3243, 37.3682



12.7002, 11.5093, 15.9985



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.



25.2060, 16.4894, 36.5048



43.4773, 25.5598, 64.9700



21.9935, 15.2045, 19.5882



7.8304, 7.6620, 9.4243



17.1329, 8.2619, 26.5751



0.4202, 0.2024, 0.6643

Inverse Universe

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



25.2060, 16.4894, 36.5048



43.4773, 25.5598, 64.9700



20.7025, 30.4814, 24.4868



7.8304, 7.6620, 9.4243



17.1329, 8.2619, 26.5751



0.4202, 0.2024, 0.6643

Previews

White Background



This preview shows how the XYZ color 25.2054, 16.4887, 36.5045 looks on a white background.

Color Contrast Check

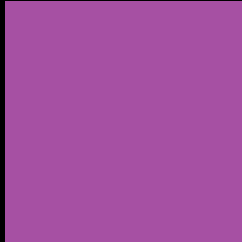
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2054, 16.4887, 36.5045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

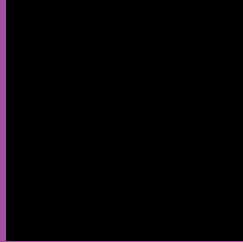
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 25.2054, 16.4887, 36.5045

Background



This preview shows how black text looks on a background with the XYZ color 25.2054, 16.4887, 36.5045.



This preview shows how white text looks on a background with the XYZ color 25.2054, 16.4887,

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

25.2054, 16.4887, 36.5045

Protanopia

18.2631, 16.7923, 50.4228

Deuteranopia

17.0256, 16.6753, 34.2196



Tritanopia

20.7886, 16.5147, 14.6623

Trichromacy



Original Color

25.2054, 16.4887, 36.5045

Protanomaly

19.4775, 15.8544, 45.2136

Deuteranomaly

18.9836, 15.8285, 34.8556

Tritanomaly

22.1945, 16.4489, 21.0740

Monochromacy



Original Color

25.2054, 16.4887, 36.5045

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.7477, 16.2370, 23.9757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2054, 16.4887, 36.5045 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, 80, 163)` looks like.

```
.text, #text, p{  
    color:rgb(166, 80, 163)  
}
```

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, 80, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 80, 163) }
```

Border

The CSS property to change the border of an element to XYZ 25.2054, 16.4887, 36.5045 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, 80, 163) }
```


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

```
.border{ border-color:rgb(166, 80, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 80, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 80, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 80, 163);  
box-shadow:4px 4px 4px 4px rgb(166, 80,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2054, 16.4887, 36.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 80, 163) }
```

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

```
.background{ background-color: rgb(166, 80,  
163) }
```

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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