

Converting Colors

XYZ(25.1674, 16.8387, 42.3240)

Have a look what the booklet for
XYZ(25.1674, 16.8387, 42.3240)
contains.

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Color

**XYZ(25.2063, 16.8067,
42.4729)**

Conversions

Conversions Part 1

Format	Color
Hex	9F54AF
RGB	159, 84, 175
RGB Percent	62%, 33%, 69%
CMY	0.3765, 0.6706, 0.3137
CMYK	0.09, 0.52, 0.00, 0.31
HSL	289°, 36%, 51%
HSV	289°, 52%, 69%
XYZ	25.2063, 16.8067, 42.4729
YIQ	116.7990, 15.4890, 44.2010

Conversions

Conversions Part 2

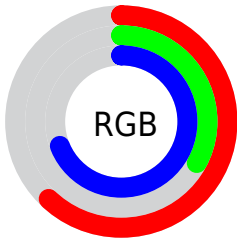
Format	Color
R_{YB}	159, 84, 175
Decimal	10441903
CIE _{Lab}	48.02, 45.31, -35.76
CIE _{LCh}	48, 57.721, 321.717
Yxy	16.8067, 0.2983, 0.1989
Android (android.graphics.Color)	4288631983 (0xFF9F54AF)
YUV	116.7990, 28.6931, 37.0103
Hunter-Lab	40.9960, 38.0074, -32.7288

Details

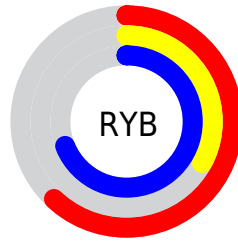
The XYZ color **25.2063, 16.8067, 42.4729** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **22.1861, 34.0097, 13.7834**, and the grayscale version is **16.7577, 17.6304, 19.1995**.

A 20% lighter version of the original color is **51.2523, 37.8249, 80.2010**, and **9.8551, 5.4414, 18.9432** is the 20% darker color. If you saturate the color by 10%, you get **23.4115, 14.1111, 42.0475**, and if you desaturate by 10%, it is **27.3569, 20.1902, 43.0129**.

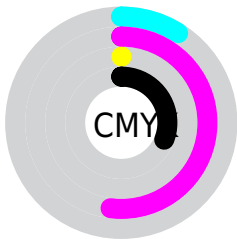
Distribution



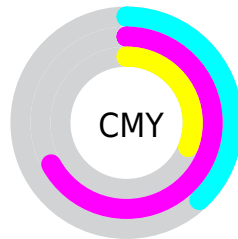
- Red (62%)
- Green (33%)
- Blue (69%)



- Red (62%)
- Yellow (33%)
- Blue (69%)



- Cyan (9%)
- Magenta (52%)
- Yellow (0%)
- Black (31%)




- Cyan (38%)
- Magenta (67%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2063, 16.8067, 42.4729 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 25.2063, 16.8067, 42.4729 by changing the saturation by 10% instead.


 25.2063, 16.8067,
42.4729


 25.2063, 16.8067,
42.4729


271.1925,
234.0560, 372.2969


 16.3604, 10.0968,
29.1434


 51.4322, 37.9931,
80.1926

 9.8720, 5.4632,
18.9428


 69.5429, 53.2384,
105.4200


 5.3758, 2.5215,
11.4526


 91.4725, 72.0976,
135.4504

 2.5064, 0.8874,
6.2541

 117.5864, 94.9551,
170.7024

 0.8985, 0.0000,
2.9289

 148.2501,
122.1953, 211.5945

 0.0000, 0.0000,
1.0585

183.8287,

 0.0000, 0.0000,

154.2026, 258.5452

0.0000

224.6877,
191.3613, 311.9732

■ 25.2063, 16.8067,
42.4729

■ 25.2063, 16.8067,
42.4729

■ 23.4115, 14.1111,
42.0475

■ 27.3569, 20.1902,
43.0129

■ 21.9446, 12.0496,
41.7269

■ 29.8845, 24.3056,
43.6740

■ 20.7768, 10.5640,
41.5017

■ 32.8110, 29.1959,
44.4637

■ 19.8729, 9.5842,
41.3602

■ 36.1560, 34.9001,
45.3884

■ 19.2802, 9.0454,
41.2874

■ 39.9377, 41.4545,
46.4542

■ 44.1732, 48.8933,
47.6668

■ 48.8788, 57.2487,
49.0316

■ 54.0698, 66.5513,
50.5536

■ 59.7609, 76.8304,
52.2377

Harmonies

Analogous

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



19.9782, 16.8067, 60.0303



25.2063, 16.8067, 42.4729



28.0899, 16.8067, 22.7552

Triad

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



25.2063, 16.8067, 42.4729



17.4624, 16.8067, 2.0554



8.3536, 16.8067, 31.1116

Complementary

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



25.2063, 16.8067, 42.4729



22.1861, 34.0097, 13.7834

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.



7.9658, 16.8067, 14.4673



25.2063, 16.8067, 42.4729



12.5445, 16.8067, 2.4872

Square

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



25.2063, 16.8067, 42.4729



23.0249, 16.8067, 3.7486



9.3265, 16.8067, 5.6529



10.5335, 16.8067, 51.3539

Rectangle

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



25.2063, 16.8067, 42.4729



27.9382, 16.8067, 13.0665



9.3265, 16.8067, 5.6529



8.0316, 16.8067, 24.7713

Sweetspot

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



25.2069, 16.8074, 42.4733



62.0969, 57.9513, 80.5497



16.0176, 14.2266, 42.4595



13.5350, 12.4257, 17.8294



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



25.2069, 16.8074, 42.4733



41.6197, 24.8235, 75.2347



26.0525, 17.5362, 29.2812



8.1969, 8.0758, 10.0795



13.8533, 6.5015, 29.5693



0.4211, 0.1993, 0.8243

Inverse Universe

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



23.1502, 16.3753, 13.9976



37.8780, 24.1641, 17.7008



21.9569, 33.7333, 20.9233



8.0606, 8.0375, 8.6299



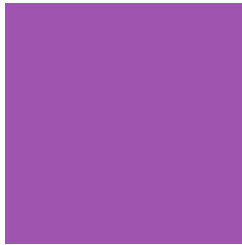
12.8522, 6.6034, 1.6011



0.3743, 0.1904, 0.1329

Previews

White Background



This preview shows how the XYZ color 25.2063, 16.8067, 42.4729 looks on a white background.

Color Contrast Check

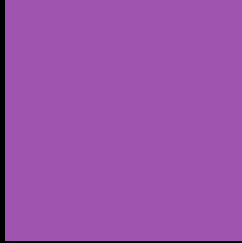
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2063, 16.8067, 42.4729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

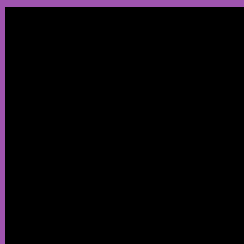
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.2063, 16.8067, 42.4729

Background



This preview shows how black text looks on a background with the XYZ color 25.2063, 16.8067, 42.4729.



This preview shows how white text looks on a background with the XYZ color 25.2063, 16.8067,

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

25.2063, 16.8067, 42.4729

Protanopia

19.1211, 17.2543, 56.9662

Deuteranopia

17.4895, 17.1106, 40.4111



Tritanopia

19.9381, 16.8741, 16.3935

Trichromacy



Original Color

25.2063, 16.8067, 42.4729

Protanomaly

20.0992, 16.3285, 51.3826

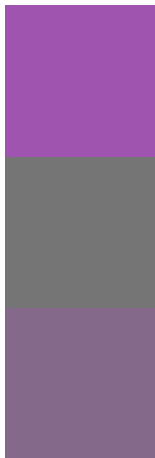
Deuteranomaly

19.3669, 16.3239, 41.1598

Tritanomaly

21.3939, 16.6227, 23.9107

Monochromacy



Original Color

25.2063, 16.8067, 42.4729

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.1547, 16.8437, 26.2863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2063, 16.8067, 42.4729 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(159, 84, 175)` looks like.

```
.text, #text, p{  
    color:rgb(159, 84, 175)  
}
```

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(159, 84, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 84, 175) }
```

Border

The CSS property to change the border of an element to XYZ 25.2063, 16.8067, 42.4729 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(159, 84, 175) }
```


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

```
.border{ border-color:rgb(159, 84, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 84, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 84, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 84, 175); box-shadow:4px 4px 4px 4px rgb(159, 84, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2063, 16.8067, 42.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 84, 175) }
```

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

```
.background{ background-color: rgb(159, 84,  
175) }
```

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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