

Converting Colors

XYZ(99.8275, 51.7129, 45.2634)

Have a look what the booklet for
XYZ(99.8275, 51.7129, 45.2634)
contains.

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Color

**XYZ(49.7367, 25.8727,
42.9300)**

Conversions

Conversions Part 1

Format	Color
Hex	FF28AF
RGB	255, 40, 175
RGB Percent	100%, 16%, 69%
CMY	0.0000, 0.8431, 0.3137
CMYK	0.00, 0.84, 0.31, 0.00
HSL	322°, 100%, 58%
HSV	322°, 84%, 100%
XYZ	49.7367, 25.8727, 42.9300
YIQ	119.6750, 84.8050, 87.5650

Conversions

Conversions Part 2

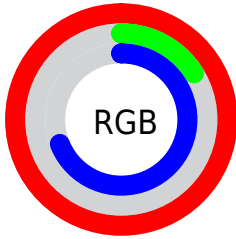
Format	Color
R_{YB}	255, 40, 175
Decimal	16722095
CIE _{Lab}	57.92, 84.31, -19.21
CIE _{LCh}	58, 86.476, 347.163
Yxy	25.8727, 0.4196, 0.2183
Android (android.graphics.Color)	4294912175 (0xFFFF28AF)
YUV	119.6750, 27.2752, 118.6800
Hunter-Lab	50.8652, 85.5256, -14.4348

Details

The XYZ color **49.7367, 25.8727, 42.9300** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **40.0271, 73.3280, 29.8194**, and the grayscale version is **17.6489, 18.5680, 20.2206**.

A 20% lighter version of the original color is **61.6811, 39.0641, 79.8905**, and **25.5052, 12.7426, 19.5276** is the 20% darker color. If you saturate the color by 10%, you get **48.2423, 24.3235, 37.9941**, and if you desaturate by 10%, it is **51.8634, 28.5818, 48.4003**.

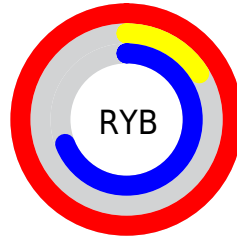
Distribution



Red (100%)

Green (16%)

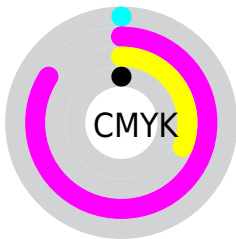
Blue (69%)



Red (100%)

Yellow (16%)

Blue (69%)

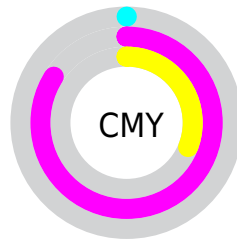


Cyan (0%)

Magenta (84%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (84%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7367, 25.8727, 42.9300 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 49.7367, 25.8727, 42.9300 by changing the saturation by 10% instead.


 49.7367, 25.8727,
42.9300


 49.7367, 25.8727,
42.9300

376.1044,
282.1566, 374.2366

 35.4212, 16.7284,
29.4992


 88.9788, 53.0695,
80.8904

 24.1555, 10.0411,
19.2100


 114.6361, 71.8908,
106.2572


 15.5744, 5.4262,
11.6437


 144.8047, 94.7066,
136.4396

 9.3124, 2.4994,
6.3820

 179.8499,
121.9013, 171.8563

 5.0043, 0.8764,
3.0062

 220.1371,
153.8593, 212.9258

 2.2845, 0.0000,
1.0978

266.0317,

 0.7867, 0.0000,

190.9649, 260.0667

0.0000

317.8990,
233.6025, 313.6974

■ 0.0000, 0.0000,
0.0000

■ 49.7367, 25.8727,
42.9300

■ 49.7367, 25.8727,
42.9300

■ 48.2423, 24.3235,
37.9941

■ 51.8634, 28.5818,
48.4003

■ 47.5946, 23.8019,
35.3931

■ 54.7180, 32.6396,
54.4426

■ 58.3808, 38.2050,
61.0900

■ 62.9207, 45.4137,
68.3717

■ 68.3988, 54.3860,
76.3138

74.8705, 65.2310,
84.9406

82.3870, 78.0488,
94.2747

90.9955, 92.9326,
104.3374

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.3905, 25.8727, 87.9173



49.7367, 25.8727, 42.9300



49.1138, 25.8727, 14.4111

Triad

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



49.7367, 25.8727, 42.9300



19.1432, 25.8727, 1.2251



13.3346, 25.8727, 94.6161

Complementary

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



49.7367, 25.8727, 42.9300



40.0271, 73.3280, 29.8194

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.



9.9919, 25.8727, 48.7074



49.7367, 25.8727, 42.9300



12.6366, 25.8727, 4.4025

Square

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



49.7367, 25.8727, 42.9300



29.3139, 25.8727, 1.0918



9.7788, 25.8727, 17.2539



20.4052, 25.8727, 129.2331

Rectangle

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



49.7367, 25.8727, 42.9300



44.2491, 25.8727, 5.7887



9.7788, 25.8727, 17.2539



11.8366, 25.8727, 78.9524

Sweetspot

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



49.7374, 25.8740, 42.9304



74.3884, 64.4159, 84.3195



26.3960, 12.6499, 95.6582



15.4159, 12.9352, 17.3857



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.7374, 25.8740, 42.9304



47.5946, 23.8019, 35.3931



43.0638, 23.2046, 7.7881



18.4892, 18.1790, 21.1931



24.9439, 12.4668, 18.8868



2.4816, 1.2350, 2.1175

Inverse Universe

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



49.7374, 25.8740, 42.9304



47.5946, 23.8019, 35.3931



50.4094, 77.4809, 84.4919



18.4892, 18.1790, 21.1931



24.9439, 12.4668, 18.8868



2.4816, 1.2350, 2.1175

Previews

White Background



This preview shows how the XYZ color 49.7367, 25.8727, 42.9300 looks on a white background.

Color Contrast Check

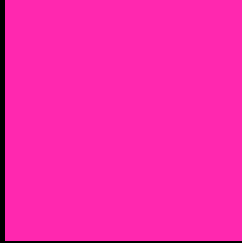
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.7367, 25.8727, 42.9300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

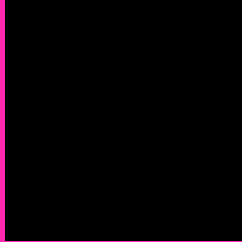
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.7367, 25.8727, 42.9300

Background



This preview shows how black text looks on a background with the XYZ color 49.7367, 25.8727, 42.9300.



This preview shows how white text looks on a background with the XYZ color 49.7367, 25.8727,

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

49.7367, 25.8727, 42.9300

Protanopia

29.3454, 26.3463, 87.5431

Deuteranopia

26.4895, 25.9514, 38.7349



Tritanopia

42.8132, 25.8434, 10.3212

Trichromacy



Original Color

49.7367, 25.8727, 42.9300



Protanomaly

30.2575, 21.0447, 68.7970



Deuteranomaly

31.0130, 22.0796, 39.6730



Tritanomaly

44.7116, 25.4138, 18.7685

Monochromacy



Original Color

49.7367, 25.8727, 42.9300



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

24.8369, 17.8106, 26.9397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7367, 25.8727, 42.9300 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(255, 40, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 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(255, 40, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 175) }
```

Border

The CSS property to change the border of an element to XYZ 49.7367, 25.8727, 42.9300 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(255, 40, 175) }
```


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

```
.border{ border-color:rgb(255, 40, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 40, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7367, 25.8727, 42.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 175) }
```

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

```
.background{ background-color: rgb(255, 40,  
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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