

Converting Colors

XYZ(49.3370, 25.2724, 42.1833)

Have a look what the booklet for
XYZ(49.3370, 25.2724, 42.1833)
contains.

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Color

**XYZ(49.3700, 25.2960,
42.3249)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1FAE
RGB	255, 31, 174
RGB Percent	100%, 12%, 68%
CMY	0.0000, 0.8783, 0.3176
CMYK	0.00, 0.88, 0.32, 0.00
HSL	322°, 100%, 56%
HSV	322°, 88%, 100%
XYZ	49.3700, 25.2960, 42.3249
YIQ	114.2780, 87.6010, 91.9610

Conversions

Conversions Part 2

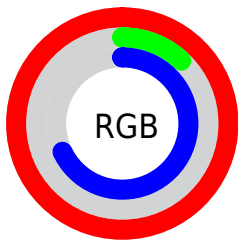
Format	Color
R_{YB}	255, 31, 174
Decimal	16719790
CIE _{Lab}	57.36, 85.71, -19.48
CIE _{LCh}	57, 87.891, 347.198
Yxy	25.2960, 0.4220, 0.2162
Android (android.graphics.Color)	4294909870 (0xFFFF1FAE)
YUV	114.2780, 29.4429, 123.4132
Hunter-Lab	50.2951, 87.2002, -14.6878

Details

The XYZ color **49.3700, 25.2960, 42.3249** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **39.2519, 72.9821, 27.3550**, and the grayscale version is **15.9777, 16.8098, 18.3058**.

A 20% lighter version of the original color is **60.9916, 37.9104, 78.9657**, and **25.4435, 12.7179, 19.2029** is the 20% darker color. If you saturate the color by 10%, you get **48.0713, 24.0885, 37.6075**, and if you desaturate by 10%, it is **51.2502, 27.5678, 47.5411**.

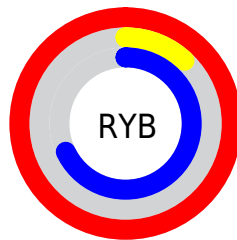
Distribution



Red (100%)

Green (12%)

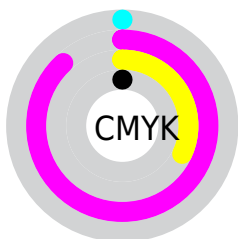
Blue (68%)



Red (100%)

Yellow (12%)

Blue (68%)

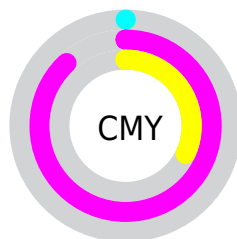


Cyan (0%)

Magenta (88%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3700, 25.2960, 42.3249 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 49.3700, 25.2960, 42.3249 by changing the saturation by 10% instead.


 49.3700, 25.2960,
42.3249

 49.3700, 25.2960,
42.3249


374.6900,
279.3088, 371.6673

 35.1288, 16.2977,
29.0283


 88.4382, 52.1370,
79.9665


 23.9291, 9.7351,
18.8565


 113.9958, 70.7485,
105.1486


 15.4055, 5.2237,
11.3909

 144.0564, 93.3333,
135.1296

 9.1926, 2.3791,
6.2129

 178.9852,
120.2756, 170.3281

 4.9252, 0.8151,
2.9041

 219.1476,
151.9599, 211.1625

 2.2377, 0.0000,
1.0459

264.9090,

 0.7625, 0.0000,

188.7707, 258.0515

0.0000

316.6346,
231.0922, 311.4136

■ 0.0000, 0.0000,
0.0000

■ 49.3700, 25.2960,
42.3249

■ 49.3700, 25.2960,
42.3249

■ 48.0713, 24.0885,
37.6075

■ 51.2502, 27.5678,
47.5411

■ 47.8311, 23.8965,
36.6384

■ 53.8230, 31.1241,
53.2985

■ 57.1739, 36.1339,
59.6314

■ 61.3750, 42.7398,
66.5695

■ 66.4897, 51.0668,
74.1394

■ 72.5753, 61.2276,
82.3654

■ 79.6840, 73.3253,
91.2701

■ 87.8645, 87.4551,
100.8749

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.



41.9559, 25.2960, 87.8731



49.3700, 25.2960, 42.3249



48.7298, 25.2960, 13.8157

Triad

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



49.3700, 25.2960, 42.3249



18.5892, 25.2960, 1.0467



12.8318, 25.2960, 94.7961

Complementary

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



49.3700, 25.2960, 42.3249



39.2519, 72.9821, 27.3550

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.



9.5265, 25.2960, 48.2460



49.3700, 25.2960, 42.3249



12.1296, 25.2960, 4.0511

Square

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



49.3700, 25.2960, 42.3249



28.7646, 25.2960, 0.9225



9.3134, 25.2960, 16.6789



19.8688, 25.2960, 130.0373

Rectangle

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



49.3700, 25.2960, 42.3249



43.8088, 25.2960, 5.3714



9.3134, 25.2960, 16.6789



11.3485, 25.2960, 78.8791

Sweetspot

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



49.3707, 25.2974, 42.3253



73.8001, 63.2971, 83.9460



24.8988, 11.4791, 95.5111



15.3070, 12.7228, 17.3326



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.



49.3707, 25.2974, 42.3253



47.8311, 23.8965, 36.6384



42.6739, 22.6186, 7.0605



18.4975, 18.1823, 21.2371



25.0669, 12.5161, 19.5346



2.4931, 1.2396, 2.1779

Inverse Universe

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



49.3707, 25.2974, 42.3253



47.8311, 23.8965, 36.6384



49.4309, 77.0537, 80.9567



18.4975, 18.1823, 21.2371



25.0669, 12.5161, 19.5346



2.4931, 1.2396, 2.1779

Previews

White Background



This preview shows how the XYZ color 49.3700, 25.2960, 42.3249 looks on a white background.

Color Contrast Check

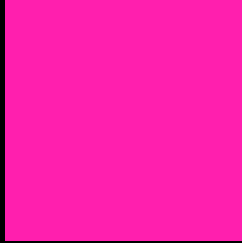
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3700, 25.2960, 42.3249 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 49.3700, 25.2960, 42.3249

Background



This preview shows how black text looks on a background with the XYZ color 49.3700, 25.2960, 42.3249.



This preview shows how white text looks on a background with the XYZ color 49.3700, 25.2960,

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

49.3700, 25.2960, 42.3249

Protanopia

29.0176, 25.9343, 89.0644

Deuteranopia

26.0900, 25.5477, 38.2064



Tritanopia

42.4335, 25.2574, 9.6598

Trichromacy



Original Color

49.3700, 25.2960, 42.3249



Protanomaly

29.4553, 20.0534, 69.3361



Deuteranomaly

30.5411, 21.2845, 39.0578



Tritanomaly

44.2213, 24.7052, 17.7671

Monochromacy



Original Color

49.3700, 25.2960, 42.3249



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

23.1313, 16.1176, 25.1844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3700, 25.2960, 42.3249 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, 31, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 174)  
}
```

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, 31, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 174) }
```

Border

The CSS property to change the border of an element to XYZ 49.3700, 25.2960, 42.3249 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, 31, 174) }
```


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

```
.border{ border-color:rgb(255, 31, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 31, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3700, 25.2960, 42.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 174) }
```

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

```
.background{ background-color: rgb(255, 31,  
174) }
```

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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