

Converting Colors

XYZ(47.8997, 25.0457, 33.5411)

Have a look what the booklet for
XYZ(47.8997, 25.0457, 33.5411)
contains.

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Color

**XYZ(47.9339, 25.0465,
33.7606)**

Conversions

Conversions Part 1

Format	Color
Hex	FF269C
RGB	255, 38, 156
RGB Percent	100%, 15%, 61%
CMY	0.0000, 0.8509, 0.3882
CMYK	0.00, 0.85, 0.39, 0.00
HSL	327°, 100%, 57%
HSV	327°, 85%, 100%
XYZ	47.9339, 25.0465, 33.7606
YIQ	116.3350, 91.4540, 82.7020

Conversions

Conversions Part 2

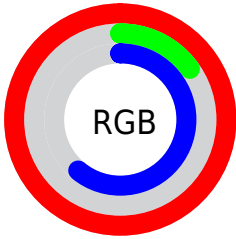
Format	Color
R_{YB}	255, 38, 156
Decimal	16721564
CIE _{Lab}	57.12, 82.81, -9.30
CIE _{LCh}	57, 83.334, 353.595
Yxy	25.0465, 0.4491, 0.2346
Android (android.graphics.Color)	4294911644 (0xFFFF269C)
YUV	116.3350, 19.5548, 121.6092
Hunter-Lab	50.0465, 83.3838, -4.9636

Details

The XYZ color **47.9339, 25.0465, 33.7606** 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 **41.0770, 73.7392, 35.7428**, and the grayscale version is **16.6286, 17.4946, 19.0516**.

A 20% lighter version of the original color is **58.6670, 37.5015, 65.1192**, and **24.2880, 12.2264, 14.4444** is the 20% darker color. If you saturate the color by 10%, you get **46.4399, 23.5606, 28.6324**, and if you desaturate by 10%, it is **50.0804, 27.6866, 39.5724**.

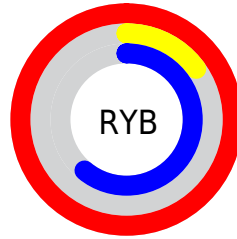
Distribution



Red (100%)

Green (15%)

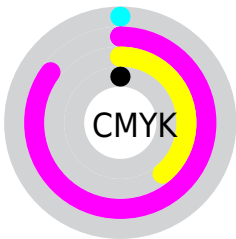
Blue (61%)



Red (100%)

Yellow (15%)

Blue (61%)

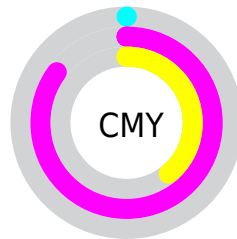


Cyan (0%)

Magenta (85%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (85%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9339, 25.0465, 33.7606 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 47.9339, 25.0465, 33.7606 by changing the saturation by 10% instead.

 47.9339, 25.0465,
33.7606


 47.9339, 25.0465,
33.7606

369.1170,
278.0694, 333.7998


 33.9856, 16.1117,
22.4339


 86.3163, 51.7326,
66.6908


 23.0454, 9.6032,
13.9747


 111.4810, 70.2528,
89.1314


 14.7479, 5.1367,
7.9645


 141.1153, 92.7368,
116.1137

 8.7278, 2.3277,
3.9848

 175.5845,
119.5692, 148.0563

 4.6197, 0.7883,
1.6170

 215.2539,
151.1342, 185.3776

 2.0584, 0.0000,
0.3029

260.4889,

 0.6664, 0.0000,

187.8163, 228.4963

0.0000

311.6548,
230.0000, 277.8308

■ 0.0000, 0.0000,
0.0000

■ 47.9339, 25.0465,
33.7606

■ 47.9339, 25.0465,
33.7606

■ 46.4399, 23.5606,
28.6324

■ 50.0804, 27.6866,
39.5724

■ 45.8749, 23.1139,
26.3369

■ 52.9782, 31.6739,
46.1125

■ 56.7098, 37.1699,
53.4208

■ 61.3458, 44.3122,
61.5324

■ 66.9492, 53.2226,
70.4794

73.5767, 64.0114,
80.2916

81.2806, 76.7796,
90.9969

90.1095, 91.6213,
102.6219

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.



42.4675, 25.0465, 73.6061



47.9339, 25.0465, 33.7606



45.6422, 25.0465, 10.8471

Triad

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



47.9339, 25.0465, 33.7606



17.0194, 25.0465, 1.6711



14.2655, 25.0465, 98.0598

Complementary

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



47.9339, 25.0465, 33.7606



41.0770, 73.7392, 35.7428

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.



10.3556, 25.0465, 55.1499



47.9339, 25.0465, 33.7606



11.6127, 25.0465, 6.1201

Square

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



47.9339, 25.0465, 33.7606



25.9754, 25.0465, 1.1016



9.5394, 25.0465, 21.6720



21.7608, 25.0465, 124.0470

Rectangle

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



47.9339, 25.0465, 33.7606



40.2679, 25.0465, 4.3952



9.5394, 25.0465, 21.6720



12.5817, 25.0465, 84.1424

Sweetspot

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



47.9346, 25.0479, 33.7610



72.9296, 62.9488, 79.3618



28.8423, 13.8135, 95.7539



15.1002, 12.6401, 16.2438



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.



47.9346, 25.0479, 33.7610



45.8749, 23.1139, 26.3369



42.4854, 22.8682, 5.0662



18.4225, 18.1523, 20.8422



24.0470, 12.1081, 14.1636



2.3965, 1.2010, 1.6695

Inverse Universe

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



47.9346, 25.0479, 33.7610



45.8749, 23.1139, 26.3369



52.9122, 78.4733, 98.0664



18.4225, 18.1523, 20.8422



24.0470, 12.1081, 14.1636



2.3965, 1.2010, 1.6695

Previews

White Background



This preview shows how the XYZ color 47.9339, 25.0465, 33.7606 looks on a white background.

Color Contrast Check

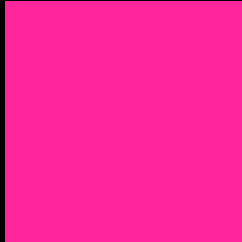
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.9339, 25.0465, 33.7606 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 47.9339, 25.0465, 33.7606

Background



This preview shows how black text looks on a background with the XYZ color 47.9339, 25.0465, 33.7606.



This preview shows how white text looks on a background with the XYZ color 47.9339, 25.0465,

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

47.9339, 25.0465, 33.7606

Protanopia

27.2518, 25.4635, 69.1243

Deuteranopia

25.5310, 25.0224, 30.2722



Tritanopia

42.7222, 25.0481, 8.7140

Trichromacy



Original Color

47.9339, 25.0465, 33.7606



Protanomaly

29.1054, 20.6315, 54.0780



Deuteranomaly

30.0422, 21.3444, 30.9703



Tritanomaly

44.1061, 24.7008, 15.2750

Monochromacy



Original Color

47.9339, 25.0465, 33.7606



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

23.5228, 16.8336, 23.4822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9339, 25.0465, 33.7606 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, 38, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 156)  
}
```

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, 38, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 156) }
```

Border

The CSS property to change the border of an element to XYZ 47.9339, 25.0465, 33.7606 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, 38, 156) }
```


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

```
.border{ border-color:rgb(255, 38, 156) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9339, 25.0465, 33.7606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 156) }
```

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

```
.background{ background-color: rgb(255, 38,  
156) }
```

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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