

Converting Colors

XYZ(47.2175, 24.7015, 37.0030)

Have a look what the booklet for
XYZ(47.2175, 24.7015, 37.0030)
contains.

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Color

**XYZ(47.1533, 24.6712,
36.9271)**

Conversions

Conversions Part 1

Format	Color
Hex	FB28A3
RGB	251, 40, 163
RGB Percent	98%, 16%, 64%
CMY	0.0157, 0.8431, 0.3608
CMYK	0.00, 0.84, 0.35, 0.02
HSL	325°, 96%, 57%
HSV	325°, 84%, 98%
XYZ	47.1533, 24.6712, 36.9271
YIQ	117.1110, 86.2730, 82.9850

Conversions

Conversions Part 2

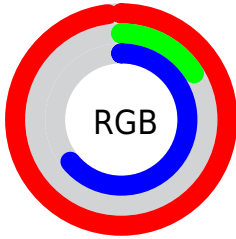
Format	Color
R _Y B	251, 40, 163
Decimal	16459939
CIE Lab	56.75, 82.22, -14.04
CIE LCh	57, 83.413, 350.313
Yxy	24.6712, 0.4336, 0.2269
Android (android.graphics.Color)	4294650019 (0xFFFB28A3)
YUV	117.1110, 22.6233, 117.4207
Hunter-Lab	49.6701, 82.5326, -9.3099

Details

The XYZ color **47.1533, 24.6712, 36.9271** 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 **39.2707, 71.0049, 32.0647**, and the grayscale version is **16.8595, 17.7375, 19.3162**.

A 20% lighter version of the original color is **59.8000, 38.1322, 70.5381**, and **23.8555, 11.9665, 16.0914** is the 20% darker color. If you saturate the color by 10%, you get **45.6645, 23.1331, 31.9927**, and if you desaturate by 10%, it is **49.2692, 27.3391, 42.4540**.

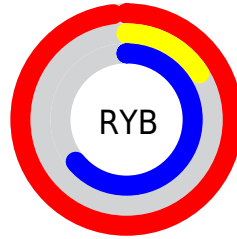
Distribution



Red (98%)

Green (16%)

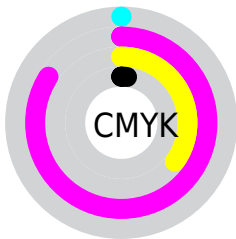
Blue (64%)



Red (98%)

Yellow (16%)

Blue (64%)

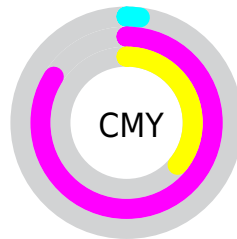


Cyan (0%)

Magenta (84%)

Yellow (35%)

Black (2%)



Cyan (2%)


Magenta (84%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1533, 24.6712, 36.9271 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 47.1533, 24.6712, 36.9271 by changing the saturation by 10% instead.

 47.1533, 24.6712,
36.9271


 47.1533, 24.6712,
36.9271


366.0648,
276.1965, 348.1540

 33.3653, 15.8323,
24.8557


 85.1598, 51.1233,
71.6457


 22.5670, 9.4055,
15.7515


 110.1089, 69.5053,
95.1300


 14.3931, 5.0066,
9.1961


 139.5092, 91.8370,
123.2557

 8.4781, 2.2512,
4.7707

 173.7260,
118.5030, 156.4414

 4.4567, 0.7477,
2.0570

 213.1246,
149.8875, 195.1055

 1.9636, 0.0000,
0.5900

258.0703,

 0.6134, 0.0000,

186.3750, 239.6666

0.0000

308.9286,
228.3499, 290.5432

■ 0.0000, 0.0000,
0.0000

■ 47.1533, 24.6712,
36.9271

■ 47.1533, 24.6712,
36.9271

■ 45.6645, 23.1331,
31.9927

■ 49.2692, 27.3391,
42.4540

■ 44.9959, 22.5941,
29.3093

■ 52.1038, 31.3170,
48.6124

■ 55.7345, 36.7574,
55.4369

■ 60.2280, 43.7905,
62.9580

■ 65.6433, 52.5319,
71.2036

72.0341, 63.0866,
80.1994

79.4498, 75.5508,
89.9695

87.9365, 90.0141,
100.5367

93.5936, 99.2492,
108.8318

Harmonies

Analogous

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



40.9974, 24.6712, 77.6747



47.1533, 24.6712, 36.9271



45.7389, 24.6712, 12.2235

Triad

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



47.1533, 24.6712, 36.9271



17.5349, 24.6712, 1.4322



13.4147, 24.6712, 92.8050

Complementary

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



47.1533, 24.6712, 36.9271



39.2707, 71.0049, 32.0647

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.



9.9144, 24.6712, 50.0907



47.1533, 24.6712, 36.9271



11.7960, 24.6712, 5.1161

Square

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



47.1533, 24.6712, 36.9271



26.7410, 24.6712, 1.0983



9.4177, 24.6712, 18.8165



20.4394, 24.6712, 121.8809

Rectangle

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



47.1533, 24.6712, 36.9271



40.8072, 24.6712, 4.9692



9.4177, 24.6712, 18.8165



11.8792, 24.6712, 78.5874

Sweetspot

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



47.1540, 24.6726, 36.9275



73.9859, 64.2550, 82.2004



27.0635, 13.0677, 92.3626



15.3197, 12.8967, 16.8789



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.



47.1540, 24.6726, 36.9275



46.6360, 23.4184, 30.3452



41.2968, 22.3297, 6.0837



17.6690, 17.3949, 20.1125



23.7260, 11.9061, 15.7975



2.2503, 1.1238, 1.7414

Inverse Universe

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



47.1540, 24.6726, 36.9275



46.6360, 23.4184, 30.3452



50.1409, 75.3530, 89.3064



17.6690, 17.3949, 20.1125



23.7260, 11.9061, 15.7975



2.2503, 1.1238, 1.7414

Previews

White Background



This preview shows how the XYZ color 47.1533, 24.6712, 36.9271 looks on a white background.

Color Contrast Check

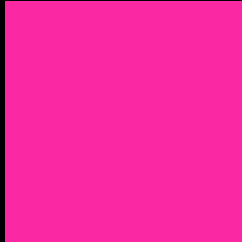
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.1533, 24.6712, 36.9271 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 47.1533, 24.6712, 36.9271

Background



This preview shows how black text looks on a background with the XYZ color 47.1533, 24.6712, 36.9271.



This preview shows how white text looks on a background with the XYZ color 47.1533, 24.6712,

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

47.1533, 24.6712, 36.9271

Protanopia

27.3712, 25.1958, 74.6548

Deuteranopia

25.2104, 24.7928, 33.1625



Tritanopia

41.2781, 24.5690, 9.4042

Trichromacy



Original Color

47.1533, 24.6712, 36.9271



Protanomaly

28.7354, 20.3472, 58.2900



Deuteranomaly

29.7540, 21.2691, 33.9896



Tritanomaly

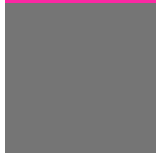
42.6804, 24.0886, 16.5874

Monochromacy



Original Color

47.1533, 24.6712, 36.9271



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

23.6013, 16.9730, 24.5864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1533, 24.6712, 36.9271 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(251, 40, 163)` looks like.

```
.text, #text, p{  
    color:rgb(251, 40, 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(251, 40, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 40, 163) }
```

Border

The CSS property to change the border of an element to XYZ 47.1533, 24.6712, 36.9271 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(251, 40, 163) }
```


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

```
.border{ border-color:rgb(251, 40, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 40, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 40, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 40, 163);  
box-shadow:4px 4px 4px 4px rgb(251, 40,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1533, 24.6712, 36.9271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 40, 163) }
```

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

```
.background{ background-color: rgb(251, 40,  
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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