

Converting Colors

XYZ(46.3806, 23.9077, 27.1770)

Have a look what the booklet for
XYZ(46.3806, 23.9077, 27.1770)
contains.

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Color

**XYZ(46.4171, 23.9219,
27.3702)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1A8D
RGB	255, 26, 141
RGB Percent	100%, 10%, 55%
CMY	0.0000, 0.8979, 0.4471
CMYK	0.00, 0.90, 0.45, 0.00
HSL	330°, 100%, 55%
HSV	330°, 90%, 100%
XYZ	46.4171, 23.9219, 27.3702
YIQ	107.5810, 99.5690, 84.3130

Conversions

Conversions Part 2

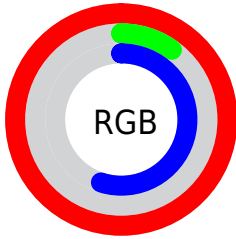
Format	Color
R_{YB}	255, 26, 141
Decimal	16718477
CIE _{Lab}	56.01, 83.36, -2.07
CIE _{LCh}	56, 83.386, 358.579
Yxy	23.9219, 0.4751, 0.2448
Android (android.graphics.Color)	4294908557 (0xFFFF1A8D)
YUV	107.5810, 16.4756, 129.2865
Hunter-Lab	48.9100, 83.8094, 1.0581

Details

The XYZ color **46.4171, 23.9219, 27.3702** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **40.9228, 73.6343, 36.8795**, and the grayscale version is **14.0776, 14.8107, 16.1288**.

A 20% lighter version of the original color is **56.1316, 35.4631, 54.9255**, and **23.6266, 11.9618, 10.9611** is the 20% darker color. If you saturate the color by 10%, you get **45.1620, 22.8381, 22.5551**, and if you desaturate by 10%, it is **48.2546, 25.9974, 32.9141**.

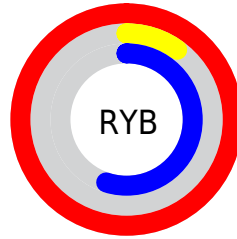
Distribution



Red (100%)

Green (10%)

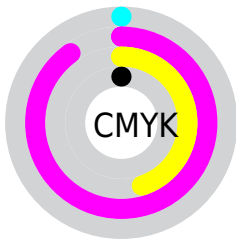
Blue (55%)



Red (100%)

Yellow (10%)

Blue (55%)

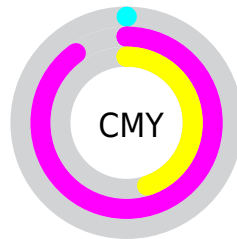


Cyan (0%)

Magenta (90%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4171, 23.9219, 27.3702 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 46.4171, 23.9219, 27.3702 by changing the saturation by 10% instead.


 46.4171, 23.9219,
27.3702


 46.4171, 23.9219,
27.3702


363.1709,
272.4254, 303.2618


 32.7811, 15.2757,
17.6166


 84.0669, 49.9027,
56.4883


 22.1172, 9.0131,
10.5085


 108.8115, 68.0061,
76.6898


 14.0602, 4.7497,
5.6274


 137.9896, 90.0307,
101.2111

 8.2445, 2.1012,
2.5548

 171.9666,
116.3609, 130.4705

 4.3049, 0.6653,
0.8690

 211.1079,
147.3811, 164.8868

 1.8760, 0.0000,
0.0000

255.7788,

 0.5629, 0.0000,

183.4756, 204.8784

0.0000

306.3447,
225.0289, 250.8639

■ 0.0000, 0.0000,
0.0000

■ 46.4171, 23.9219,
27.3702

■ 46.4171, 23.9219,
27.3702

■ 45.1620, 22.8381,
22.5551

■ 48.2546, 25.9974,
32.9141

■ 45.1387, 22.8195,
22.4610

■ 50.8151, 29.3399,
39.2504

■ 54.1895, 34.1261,
46.4257

■ 58.4539, 40.5031,
54.4812

■ 63.6754, 48.6000,
63.4542

69.9140, 58.5323,
73.3793

77.2247, 70.4055,
84.2888

85.6585, 84.3169,
96.2133

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



42.2341, 23.9219, 64.1047



46.4171, 23.9219, 27.3702



42.9245, 23.9219, 8.1435

Triad

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



46.4171, 23.9219, 27.3702



15.0492, 23.9219, 1.7978



14.4593, 23.9219, 101.4055

Complementary

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



46.4171, 23.9219, 27.3702



40.9228, 73.6343, 36.8795

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.



10.1426, 23.9219, 60.0826



46.4171, 23.9219, 27.3702



10.4103, 23.9219, 7.1486

Square

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



46.4171, 23.9219, 27.3702



23.1945, 23.9219, 0.9234



8.8972, 23.9219, 24.7669



22.2856, 23.9219, 121.6235

Rectangle

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



46.4171, 23.9219, 27.3702



37.1432, 23.9219, 3.1853



8.8972, 23.9219, 24.7669



12.6405, 23.9219, 88.5491

Sweetspot

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



46.4178, 23.9233, 27.3706



71.8444, 61.6466, 76.3239



28.6875, 13.2533, 95.6536



14.8747, 12.3839, 15.5677



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.



46.4178, 23.9233, 27.3706



45.1388, 22.8195, 22.4610



41.8424, 22.0932, 3.2773



18.3898, 18.1392, 20.6700



23.6615, 11.9539, 12.1336



2.3590, 1.1860, 1.4718

Inverse Universe

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



46.4178, 23.9233, 27.3706



45.1388, 22.8195, 22.4610



53.6283, 78.7165, 103.7859



18.3898, 18.1392, 20.6700



23.6615, 11.9539, 12.1336



2.3590, 1.1860, 1.4718

Previews

White Background



This preview shows how the XYZ color 46.4171, 23.9219, 27.3702 looks on a white background.

Color Contrast Check

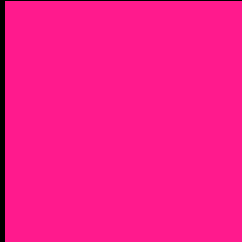
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.4171, 23.9219, 27.3702 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 46.4171, 23.9219, 27.3702

Background



This preview shows how black text looks on a background with the XYZ color 46.4171, 23.9219, 27.3702.



This preview shows how white text looks on a background with the XYZ color 46.4171, 23.9219,

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

46.4171, 23.9219, 27.3702

Protanopia

25.4949, 24.3899, 58.0076

Deuteranopia

24.4063, 23.9665, 24.4587



Tritanopia

42.2418, 24.0779, 6.8360

Trichromacy



Original Color

46.4171, 23.9219, 27.3702



Protanomaly

27.4492, 19.1526, 44.8979



Deuteranomaly

28.8693, 20.0669, 24.9060



Tritanomaly

43.0473, 23.5475, 11.9491

Monochromacy



Original Color

46.4171, 23.9219, 27.3702



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

20.8125, 14.3819, 19.4483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4171, 23.9219, 27.3702 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, 26, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 141)  
}
```

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, 26, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 141) }
```

Border

The CSS property to change the border of an element to XYZ 46.4171, 23.9219, 27.3702 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, 26, 141) }
```


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

```
.border{ border-color:rgb(255, 26, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4171, 23.9219, 27.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 141) }
```

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

```
.background{ background-color: rgb(255, 26,  
141) }
```

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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