

Converting Colors

XYZ(45.6217, 23.7096, 22.8549)

Have a look what the booklet for
XYZ(45.6217, 23.7096, 22.8549)
contains.

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Color

**XYZ(45.6418, 23.7237,
22.9424)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1D81
RGB	255, 29, 129
RGB Percent	100%, 11%, 51%
CMY	0.0000, 0.8862, 0.4941
CMYK	0.00, 0.89, 0.49, 0.00
HSL	333°, 100%, 56%
HSV	333°, 89%, 100%
XYZ	45.6418, 23.7237, 22.9424
YIQ	107.9740, 102.5960, 79.0120

Conversions

Conversions Part 2

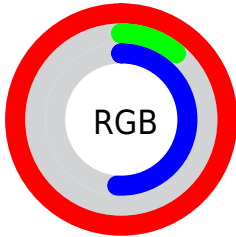
Format	Color
R_{YB}	255, 29, 129
Decimal	16719233
CIE _{Lab}	55.81, 82.02, 4.80
CIE _{LCh}	56, 82.156, 3.349
Yxy	23.7237, 0.4945, 0.2570
Android (android.graphics.Color)	4294909313 (0xFFFF1D81)
YUV	107.9740, 10.3658, 128.9418
Hunter-Lab	48.7070, 82.0296, 6.1676

Details

The XYZ color **45.6418, 23.7237, 22.9424** 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 **42.1862, 74.1489, 43.1119**, and the grayscale version is **14.2026, 14.9422, 16.2720**.

A 20% lighter version of the original color is **54.9412, 35.1528, 48.1454**, and **22.9338, 11.6556, 8.6304** is the 20% darker color. If you saturate the color by 10%, you get **44.3601, 22.5693, 18.1721**, and if you desaturate by 10%, it is **47.5583, 25.9376, 28.5735**.

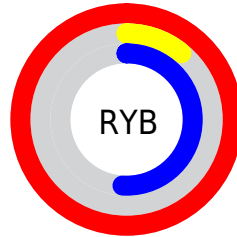
Distribution



Red (100%)

Green (11%)

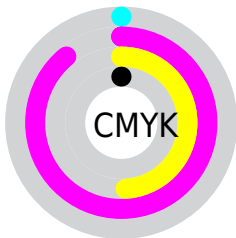
Blue (51%)



Red (100%)

Yellow (11%)

Blue (51%)

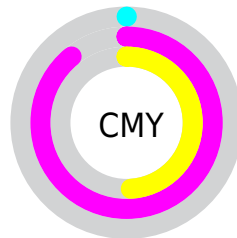


Cyan (0%)

Magenta (89%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (89%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6418, 23.7237, 22.9424 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 45.6418, 23.7237, 22.9424 by changing the saturation by 10% instead.

 45.6418, 23.7237,
22.9424

 45.6418, 23.7237,
22.9424


360.1068,
271.4206, 280.5413


 32.1667, 15.1288,
14.3461


 82.9138, 49.5789,
49.2207


 21.6450, 8.9098,
8.2203


 107.4414, 67.6081,
67.7398


 13.7114, 4.6824,
4.1464


 136.3839, 89.5507,
90.4036

 8.0006, 2.0622,
1.7060

 170.1066,
115.7913, 117.6305

 4.1471, 0.6432,
0.3648

 208.9749,
146.7141, 149.8393

 1.7857, 0.0000,
0.0000

253.3541,

 0.5090, 0.0000,

182.7037, 187.4483

0.0000

303.6096,
224.1444, 230.8761

■ 0.0000, 0.0000,
0.0000

■ 45.6418, 23.7237,
22.9424

■ 45.6418, 23.7237,
22.9424

■ 44.3601, 22.5693,
18.1721

■ 47.5583, 25.9376,
28.5735

■ 44.2100, 22.4480,
17.5706

■ 50.2339, 29.4509,
35.1315

■ 53.7590, 34.4367,
42.6703

■ 58.2097, 41.0403,
51.2382

■ 63.6536, 49.3895,
60.8790

70.1513, 59.5989,
71.6338

77.7586, 71.7735,
83.5409

86.5269, 86.0103,
96.6368

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.



42.7037, 23.7237, 56.4433



45.6418, 23.7237, 22.9424



41.1184, 23.7237, 6.6208

Triad

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



45.6418, 23.7237, 22.9424



14.0484, 23.7237, 2.2870



15.4156, 23.7237, 104.4331

Complementary

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



45.6418, 23.7237, 22.9424



42.1862, 74.1489, 43.1119

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.



10.6299, 23.7237, 65.6646



45.6418, 23.7237, 22.9424



10.0072, 23.7237, 8.9497

Square

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



45.6418, 23.7237, 22.9424



21.5161, 23.7237, 0.9937



8.9543, 23.7237, 28.9526



23.6138, 23.7237, 118.6782

Rectangle

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



45.6418, 23.7237, 22.9424



35.0546, 23.7237, 2.6416



8.9543, 23.7237, 28.9526



13.4391, 23.7237, 92.9454

Sweetspot

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



45.6424, 23.7251, 22.9428



71.3042, 61.4305, 73.4789



31.6861, 14.9030, 95.8139



14.7480, 12.3332, 14.9006



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.



45.6424, 23.7251, 22.9428



44.2102, 22.4481, 17.5706



42.2319, 22.8886, 3.3564



18.3433, 18.1206, 20.4247



23.1730, 11.7585, 9.5616



2.3102, 1.1664, 1.2148

Inverse Universe

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



45.6424, 23.7251, 22.9428



44.2102, 22.4481, 17.5706



50.8183, 72.0033, 105.8270



18.3433, 18.1206, 20.4247



23.1730, 11.7585, 9.5616



2.3102, 1.1664, 1.2148

Previews

White Background



This preview shows how the XYZ color 45.6418, 23.7237, 22.9424 looks on a white background.

Color Contrast Check

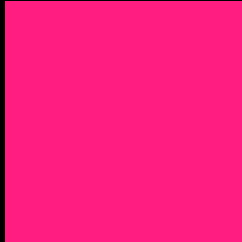
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6418, 23.7237, 22.9424 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 45.6418, 23.7237, 22.9424

Background



This preview shows how black text looks on a background with the XYZ color 45.6418, 23.7237, 22.9424.



This preview shows how white text looks on a background with the XYZ color 45.6418, 23.7237,

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

45.6418, 23.7237, 22.9424

Protanopia

24.6805, 24.1870, 48.1675

Deuteranopia

24.3169, 23.8047, 20.7659



Tritanopia

42.3717, 23.9272, 6.3882

Trichromacy



Original Color

45.6418, 23.7237, 22.9424



Protanomaly

27.0653, 19.2638, 36.9421



Deuteranomaly

28.7247, 20.2059, 21.1251



Tritanomaly

43.1248, 23.5558, 10.6613

Monochromacy



Original Color

45.6418, 23.7237, 22.9424



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

20.6463, 14.4300, 18.2201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6418, 23.7237, 22.9424 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, 29, 129)` looks like.

```
.text, #text, p{  
  color:rgb(255, 29, 129)  
}
```

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, 29, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 129) }
```

Border

The CSS property to change the border of an element to XYZ 45.6418, 23.7237, 22.9424 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, 29, 129) }
```


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

```
.border{ border-color:rgb(255, 29, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 29, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6418, 23.7237, 22.9424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 29, 129) }
```

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

```
.background{ background-color: rgb(255, 29,  
129) }
```

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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